

FROM WARMONGERS TO PEACEBUILDERS: MAJOR POWER MANAGERIAL COORDINATION AND THE  
TRANSFORMATION OF INTERNATIONAL RELATIONS, 1715-2001

BY

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DISSERTATION

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## **ABSTRACT**

This project is an evaluation of the role major power managerial coordination played in the transformation of the international system from a war-inducing to a peace-inducing system. In pursuit of this goal I develop the concept of the regime of major power managerial coordination and argue that it was a novel innovation in late-18<sup>th</sup> century great power politics which greatly transformed conflict dynamics in international relations since 1816. Major power managerial coordination is the engagement of the major powers in consultation, multilateralism and the avoidance of adversarial coordination. The goal is to decrease the likelihood of major power military conflicts. Because minor power conflicts can bring in major powers by diffusion, the major powers engaged in managerial coordination also strive to decrease the likelihood of the use of military force by all states in the international system.

Major Powers engage in managerial coordination because their ruling elites became wary of war as an instrument of foreign policy due to fear of the consequences of great power war for their domestic political position. Beginning from the argument developed by Paul Schroeder that the Napoleonic wars were the first instance in which the majority of major powers suffered adverse results for domestic power structures, I develop an explanatory story of how the major powers engaged in managerial coordination decrease the likelihood of military conflict onset. This is via three mechanisms. One is denial, the denial of major power diplomatic and military support for the use of military force by other states. The second is discouragement, the threat of major power intervention and censure that may lead states to avoid the use of military force in order to resolve disputes. Finally, the pacification of international relations by major power managerial coordination may indirectly facilitate peace-fostering developments such as democratic reforms within states, and the creation of international organizations. It is thus that the transformation of international politics was brought about.

To evaluate the transformation thesis, I develop the scale of major power managerial coordination intensity, a novel replicable instrument that captures how intensely the major powers are engaged in managerial coordination. To permit the comparison of pre-transformation and post-transformation conflict onset dynamics I compiled a new dataset of militarized interstate disputes in the 1715-1815 period. This complements the extant datasets on the 1816-2001 period. I then conducted quantitative evaluations of a number of hypotheses extracted from the explanatory story I presented. The findings supported the arguments that managerial coordination was a novel innovation for late 18<sup>th</sup> and early 19<sup>th</sup> century international relations.

The findings also indicate that increasing managerial coordination decreases the likelihood that two states would experience a military conflict in the 1816-2001 periods. Furthermore this is more likely to be due to denial rather than discouragement mechanisms. Finally, there were indicators that increasing managerial coordination fosters democratic reforms within states, but that it does not make states more likely to join international organizations.

These findings will be of interest to those studying the evolution of the international political system, those studying how structural phenomena influence the behavior of states, scholars researching the impact of the Vienna System in the form international relations have today, and scholars engaged in research on conditions that help alleviate the issue of the use of military force in international relations.

*To my father Spyridon, my mother Angelliki and my sister Katerina, who sacrificed so much  
so that I could pursue this research.*

*Exitus Acta Probat*

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My parents made a great sacrifice when they decided to support my dream of graduate studies in the United States of America. They sacrificed money, and they sacrificed something of their happiness. I hope that this dissertation, however imperfect, can validate their choice. I thank them deeply for their support.

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# CHAPTER 1: THE INTRODUCTION

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## A CRIME STORY, A BUSINESS STORY AND A PAINTING

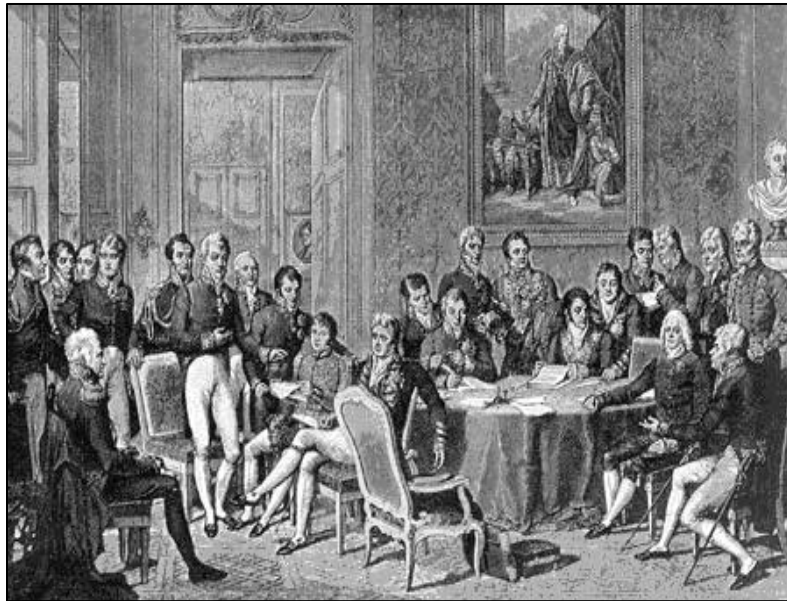
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A staple of detective stories is that scene situated in a dark, shadowy basement, filled with the acerbic smoke of cheap cigarettes and cigars where rival crime bosses come together to forge a “gentlemen’s” agreement so as to have peace amongst themselves. They come to that table typically after a period of gang warfare has cost them a combination of lives, money, leadership challenges, and raised the “heat” by the hardboiled police detective on their operations. War, initially a lucrative option to cut into other gang’s operations has now become too costly. Maybe it is a stalemate, maybe the increasing dangers to families and neighborhoods, but the gangsters have decided to cut a deal to stop the war. They may divide the city in territories, they may exchange hostages, and they may place some types of activity beyond the pale. They will to put it differently strive to create a regime to help them resolve past and future issues in a pacific manner. They will also defend the regime promising grisly ends to whoever breaks its rules and stipulations. Or alternatively, they might just place certain “tips” to informants of the hard-boiled detective. But they will have peace to enjoy their hard, if ill-gotten gains.

Let us move to a better lit conference space, situated not in the dank basement of a seedy establishment but on the top floor of a New York skyscraper. Still ubiquitous is the acerbic smoke of cigars and cigarettes, but this time of much better quality. The CEOs of rival companies are meeting to set up an oligopoly. Years of competition has cost them money in advertising, losses from unstable markets, and closures of factory plants. Money is spent not on generating profit, but on just surviving the activity of the competition. The CEOs have had enough. The unstable market that is cutting profits is undermining their position with the stock-holders and thus casting a shadow over their long-term employment. In this meeting they will set up a regime to guide the interaction of their companies and

products in such a way as to maximize profit by minimizing the amount of money spent on competition. They will also defend this regime by pooling their resources to chase out of the market any defectors.

Figure 1.1 The Congress of Vienna by Jean-Bastite Isabey, 1819



Source: Wikimedia Commons

What possible similarity can these two scenes have with the scene immortalized by Jean-Bastite Isabey in an 1819 painting (figure 1.1), beyond the ever present acerbic smoke of burning tobacco? In his painting Jean-Bastite portrays the leaders of post-Napoleonic Europe meeting to discuss and create a set of regimes that would end the Napoleonic wars. In the beautiful rococo and baroque interiors of Viennese chanceries and palaces, the lords of Europe weary of past warfare and wary of future warfare came together to create a regime that would help them avoid the dangers of a new major power war. They came together out of fear, fear of domestic revolution, fear of coups, fear of defeat, and cognizant of how close the furnace of the Napoleonic Wars brought each of the major powers to each of these results (Schroeder 1994). Like the gangsters of the crime story and the CEOs of the business story, war has ceased to be profitable for them. They sought to create a regime that would help them avoid war.

Marxism, anarchism and to a point liberalism would applaud this analogy of gangsters, CEOs and European royals. And one adhering to these philosophies would point out the egoistical motives that have



led these up to a moment ago war mongers to become peace-bringers. This would lead one to may-haps question the value of such a peace. But while this peace is the result of the self-interested goals of these actors, it is no less a real peace. Neighborhoods are not wrecked by gang violence, workers are not left unemployed as competition leads to factory closures, and young men do not march in columns against the thunder of guns. And ultimately peace can lead to gradual changes of the underlying social and political systems that brought them about, bringing an unjust peace closer to a just peace.

This project focuses on the question of the success of the Vienna congress and similar endeavors by major power elites in bringing about pacific results in the last 300 years. Are these oligopolistic regimes pacific? I am not just interested in whether such regimes brought peace among the major powers. By default the fact that they created them indicates a powerful selection effect on that question, even though failure is always a possibility. Instead, I broaden the question of peace to whether this type of regime also brings pacific results for states beyond the major powers, on how it brings about peace, and on whether that peace has long term effects that survive the demise of the regime. In pursuit of insights to these questions, I propose a novel conceptualization of the idea of major power cooperation, using the concept of managerial coordination, and a new operationalization of that concept, the scale of major power managerial coordination.

## WHAT IS AT STAKE?

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Over the last decade there have been articles that either imply or explicitly give agency to major powers for international phenomena beyond those of their own interaction. Bear Braumoeller presented a theory based on the nested politics model and a reciprocity mechanism on how major power activity form the regimes that make up a system and then how those regimes condition state activity (2012). Sara Mitchell attributed the expansion of state use of third party membership to an initial push by democratic major powers like the UK and USA (2002). This argument on the role of major powers in the creation and

expansion of international organizations received a more explicit treatment by Ringmar (2012). There has been also a steady argument of articles that major power politics plays a big role in democratization (Boix 2011). Kevin Narizny recently made the argument that the spread of democracy was the result of US and UK primacy (2012). These studies do not address a new question. Scholars have been focusing on the role of major powers since the early days of the study of international relations. What these studies do is refocus the possible answers from overarching ideas like polarity to how major powers fit in a more complex reality.

At the same time these studies spark a question that has not always been in the mind of scholars of major power politics. What behaviors of the major powers are actually conducive to positive international outcomes? In general the studies in the vein of Mitchell and Narizny seem to indicate that primacy by specific major powers, the US and UK, is a key component for positive international outcomes. Other authors tend to look at cooperative arrangement of the group of major powers as conducive to pacific effects (Wallensteen 1984). While the complexity of international relations may very well provide some tie for these two distinct behaviors, the question does rise. Which one is it? Cooperation or Primacy? Which one is a key component of the causal chain of which positive international outcomes? Are they substitutable?

In this project I argue on the side of cooperation. While primacy by liberal powers may be a force for “good” in international relations, those powers were never so powerful as to be able to bully the other powerful states of the international system at will. Positive results of primacy would have to be mediated through some kind of understanding with other major powers. Consequently it is my view that the fact or not of primacy is less important than whether the major powers are cooperating or not.

One problem with resolving these questions is the lack of clear concepts and operationalization of major power behaviors. Concepts are not clear when it comes to exactly what major power cooperation entails or why would it have any effect beyond the circle of immediate participants. Is cooperation

alliances? Is it shared international organization memberships? How is sustained cooperation different from opportunistic agreements? What does sustained cooperation even look like? Where concepts are unclear, operationalization is unsatisfactory. The array of measures available in the literature for trying to capture the variance of major power cooperation faces challenges in satisfying the concepts. Some of them do not really measure behavior but instead capabilities or even more simply the number of major powers. They measure the structure rather than the system (Braumoller 2012:6,13,35-37). When such measures are used to try and capture cooperation, conceptual and empirical puzzles become aggravated. Other measures capture behavior but operationalize concepts that lack some clarity on specific mechanisms by which major power behavior affects the broader system.

Any attempt to answer the basic question of this dissertation, which is whether the attempts by the major powers after 1816 to engage in sustained cooperation in order to avoid conflict were successful, requires new concepts and new measures of those concepts. This is what I do with the concept of major power managerial coordination and the scale of major power managerial coordination intensity.

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## NEW IDEAS AND NEW TOOLS FOR OLD QUESTIONS

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In this project I present the new concept of major power managerial coordination in order to capture the collective behavior of major powers when their goal is to create cooperative regimes that seek to pacify international relations. A regime here is conceptualized as a set of linked norms and institutions that foster a specific type of outcome in the international system. For example the regime of international anarchy is constituted by norms such of non-aggression, institutions like international law, the norm of equality between states, etc. In another name a regime is broader than a norm or an institution, which can be part of a regime. A regime is also different from the environment of international politics, which includes the distribution of material capabilities, and from a system which includes multiple regimes and the actors that create and follow those regimes.

Managerial Coordination is the engagement by the major powers in three behaviors whose goal is to increase the cooperation between them in order to facilitate the avoidance of military confrontations. The main element of this concept is a regime built by major power consultation, major power multilateralism, and major power avoidance of adversarial alliances. Each one of these elements by itself could be an instance of opportunistic cooperation by the major powers. However, as the elements accumulate in major power interaction, the result is a regime for cooperation instead of an opportunistic break from antagonism. Sometimes the regime might last a long time, and sometimes it fails to withstand the rigors of major power politics. Nevertheless, the period of intense major power managerial coordination should be associated with an avoidance of military conflict between the major powers.

This distinction between three different elements of coordination opens up the concept of major power cooperation, by looking at the behaviors that build it, rather than by looking at the effect. Past conceptualizations of major power cooperation tended to focus on the result of cooperation in order to locate it, a practice that raises the danger of cooperation becoming tautological to peace. The concept I use looks for major power cooperation not on the result of major power activity, but on the type of activities the major powers partake in during their interaction. It frees the concept from a possible consequence, in this case peace.

This opens up the space for evaluating whether major power coordination activities succeed in fostering major power cooperation, and in turn of evaluating whether major power cooperation actually fosters peace. It also opens up the possibility of comparing the effectiveness of the three elements when it comes to fostering cooperation. While in this dissertation I assume they are equal in influence for the sake of simplicity and space, the scholar of the future could evaluate if they have a different influence, or if one is a pre-requisite for the existence of the others.

Finally, I offer a complete explanatory story for why the major powers may engage in managerial coordination. This story begins with major power war, and the main working part is the fear that major

power elites have of the consequences of major power war on their domestic networks of power. From that fear, under specific conditions, raises the impetus for managerial coordination. While I detail the explanatory story in this dissertation, I do not evaluate it. It is available through for future research.

My final theoretical contribution is the evaluation of mechanisms that may explain the influence of managerial coordination on the decision of states to use military force. These mechanisms are specific policies that major powers take that make other states less or more prone to use military force. I focus on policies such as alliance creation, transfer of military resources, interventions by the major powers, and the creation of permissive or restrictive international environments for the use of military force. To put some order into the various possible policies I divide them into two conceptual groups denial and discouragement activity. The first entails policies by which the major powers deny minor powers their support for military action. The second entails policies that proscribe the use of military force. I then evaluate how these policies fare in decreasing the likelihood of the onset of military conflict.

To facilitate the evaluation of how much the behavior of the major powers conforms to the concept of managerial coordination I construct a novel measurement instrument, the scale of major power managerial coordination intensity. This is a replicable behavioral measurement instrument of major power behavior which provides an indicator on how much the major powers are engaged in activities that fall within the three elements of the managerial coordination regime. It can range from antagonistic coordination characterized by major power adversarial alliances, to managerial coordination and points in between. Each of the three elements of the managerial coordination concept is operationalized using familiar data from the study of international relations. Consultation is operationalized by joint membership in specific types of international organizations, multilateralism by the shared membership of the majority of major powers in alliances that do not target other major powers, and antagonism by the membership of major powers in major power alliances that explicitly target other major powers. Combinations of these three variables are then used to create a four point scale ranging from antagonistic coordination (-1) to managerial coordination (2).

I use this measurement instrument to evaluate the association of increasing managerial major power coordination with conflict onset. I must stress that in this project I am characterizing evaluations and not estimating causal relations, a task for the future. Past research has looked at associations between major power cooperation and conflict, but my effort differs on some very crucial aspects. First of all I operationalize conflict onset not just by war onset, but I also look at military interstate dispute onset (MID). MIDs, instances of a violent military interaction between two countries below the intensity of war, far outnumber wars as international relations phenomena. Unlike war they are also not becoming rarer. Finally, almost all wars start as MIDs. Looking at MIDs as a phenomenon of interest permits me to evaluate whether major power managerial coordination has a positive effect on violent conflict on a lower level than war. This provides for two possible ways managerial coordination may be associated with pacific international outcomes. One by stopping wars before they start, the other by stopping wars by stopping the MIDs from which they spawn.

Another crucial difference with past research is the research design. Past research designs fell into two broad categories. They either used a system level analysis focusing on counts of wars, or they used a dyadic level analysis in which structural variables were included directly in dyadic models. I avoid a pure system level analysis because I do not believe that it is useful for actually evaluating how managerial coordination influences the decisions about war and peace. Wars are not fought by systems but by pairs of states, and it is there that the answers lie. Furthermore, a system level of analysis research design would run into the issue of a small number of observations. Since I wish to conduct a quantitative study this is an important problem to take into consideration. This leads me to a dyadic level of analysis research design.

I differ from previous dyadic level of analysis designs in that I do not include structural variables like managerial coordination as is, in models. I believe that doing so may create misleading results. The reason for this is that structural variables have a different data-generating process than dyadic variables. Dyadic variables are the result of interactions between two states. Structural variables on the other hand

are the result of interactions of large groups of states or other actors. Including the structural variable in the model without somehow controlling for the difference in the levels of analysis is conceptually problematic as the question arises of how the structural phenomenon affects the dyadic outcome. This is more so when the dyad members are not also members of the networks or group of actors that produce the structural phenomenon.

To address this issue I use a novel variable to essentially build a hybrid dyad-system model. Since the structural phenomenon of interest is major power managerial coordination and the actors producing it are the major powers I assume that the mediating mechanism between the two levels of analysis is how influenced are dyad members by major power activity. The more influenced by the actors producing a structural variable they are the more influence the structural variable will have. This mediating variable is the sensitivity of dyads of states and individual states to major power activity. By including this variable both as a control and as an interaction with structural variables produced by major power activity, I hope to produce a more exact evaluation than would be the case with an as is inclusion of the control variables in a dyadic design.

Finally this project has a rarely used temporal space in its research design, the 1715-2001 period. This is for the following reason. While the novel items presented above are hopefully important contributions to the study of the effect of major powers on international politics they do not exhaust the interest of this project. More than just an argument that managerial coordination has a pacific I wish to evaluate whether it was a transformative phenomenon for international relations.

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## NOT JUST PEACE BUT TRANSFORMATION

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Paul Schroeder in his monumental “The Transformation of European Politics” made the case that the Vienna Congress was something new in international relations (1994). This is an argument that I would extend to the whole idea of managerial coordination. In this project I develop Schroeder’s

particular story of how the Vienna System was a transformative event to a broader story of how major powers come to become wary of war and that leads them to engage in managerial coordination. This war wariness leads them to try and contain conflict not just between major powers but due to the danger of intervention, diffusion, and linkages also conflicts between other states as well.

Beyond the presentation of a story about why managerial coordination could be a transformative regime, I peel back the curtain of time in order to also empirically evaluate this transformative character. To do that, I conduct quantitative evaluations of the association of the quality of managerial coordination and the dynamics of conflict in the 1715-1815 period. This is made possible by a new dataset on militarized interstate disputes in the 1715-1815 period compiled by the author and presented in this project. This permits me to compare the quality and effect of major power coordination before the hypothesized transformation date of 1816 and after. It also permits me for the first time in international relations research to conduct a preliminary exploration of the dynamics of conflict and some important variables, including managerial coordination, across the 1715-2001 period. With the exception of the 1648-1715 period this covers most of what we would call “modernity” in the confines of the study of international relations.

The transformation effect is not just exhausted to a pacifying association with conflict onset. I also evaluate whether managerial coordination fosters other peace inducing phenomena. I focus on advancements within polities towards democratization, since a relationship between this and major power politics is an argument made by recent scholarship. I also evaluate a broader argument about the relationship between major power managerial coordination and the enactment of constitutions in polities. This is inspired by Schroeder’s argument that the Vienna System was conducive to the enactment of limits on arbitrary power due to the ideology of legitimism (Schroeder 1994). Since constitutions are one of the earliest forms of putting limits to arbitrary rule I look at how managerial coordination affects their existence. Finally the previous literature contains a thematic about a relationship between major power



behavior and international organizations. Building on that, I evaluate the association between major power managerial coordination and state ascension to international organizations.

Finally, I also explore the possible mechanisms which may explain a negative association between major power managerial coordination and interstate military conflict. These mechanisms are long present in the literature and I only repackage them for clarity sake into two distinct concepts. One is the concept of denial and the other the concept of discouragement. Denial encompasses those actions by major powers that seek to deny other states their military and diplomatic support that could make those state more willing to use force to resolve their issues. Discouragement encompasses those actions by major powers that seek to dissuade or scare other states from engaging in military action. I need to evaluate such mechanisms in order to provide some insights into possible causal relationships beyond the associations that will be uncovered by the quantitative evaluations.

For denial, I evaluate the association between major power managerial coordination and the avoidance of entering exclusive alliances with minor powers by major powers, a denial of diplomatic support. I also evaluate the association of major power managerial coordination with the onset of mutual military buildups among states, a possible denial of resources. For discouragement, I evaluate the effect of major power managerial interventions on the onset of military conflict. These are actions which I argue only happen during intense major power managerial coordination. These are interventions by the majority or all the major powers against a non-major power state in order to stop it from using military force or to terminate the use of force. Such actions may discourage other states from using military force as well. I also evaluate whether major power managerial coordination has a negative association with the diffusion of conflict, possibly the result of major power opposition to the use of force to resolve issues.

To summarize the goal of these evaluations is to:

a) Establish whether major power managerial coordination has a pacific association with interstate conflict.

- b) Establish that this is transformative regime in the history of the modern international system with a pacific influence that goes beyond the regime itself.
- c) Provide some indicators about the possible causal mechanisms that explain the association.

## THE LAY OF THE DISSERTATION

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Following this introduction are eight chapters each of which discusses the following:

Chapter 2: In this chapter I look at the previous literature on the role of major power cooperation in international politics, the idea of transformative regimes, how my own project relates to that past literature, and the problems and inadequacies of past attempts to evaluate this relationships.

Chapter 3: In this chapter I present the story of why I expect major power managerial coordination to have a pacific influence of international relations. I explain how denial and discouragement fit this story, and why major power managerial coordination may foster democracy and international organizations. Finally I also discuss why the major powers engage in managerial coordination and the concept of war wariness. In the end of the chapter I present the theoretical propositions extracted from this story.

Chapter 4: In this chapter I present the operationalization of concepts into variables and of propositions to testable hypothesis. I present the scale of major power managerial coordination intensity and the 1715-1815 dataset. I also discuss the concept of sensitivity and how I operationalize it. I present research designs for the models that will evaluate the hypothesis and discuss control variables.

Chapter 5: In this chapter I present the results of the evaluation of the variables for the 1816-2001 period focusing on the basic relationship between major power managerial coordination and the onset of interstate military conflict.

Chapter 6: In this chapter I present the results of the evaluation of the variables that focus on the mechanisms that can possibly explain any relationships between managerial coordination and military conflict, and the broader influence that managerial coordination possibly has on international politics in the 1816-2001 period.

Chapter 7: In this chapter I present a lengthy discussion of politics in the pre-1816 period, and a narrative of how the Vienna powers came to decide to engage in managerial coordination. I also present the findings from the evaluation of the hypothesis in the 1715-1815 period. These are novel findings in the study of international relations.

Chapter 8: In this chapter I bring everything together and present the findings from the evaluation of the 1715-2001 period.

Chapter 9: In the conclusion I discuss the meaning of the findings for my project and the study of the role of major powers in international relations in general. I also point out topics for future research.

A short summary of the findings is that there were multiple indicators that increasing major power managerial coordination has a negative association with the onset of war or militarized interstate disputes in the 1816-2001 and 1715-2001 period. Denial mechanisms received more indicators of support than Discouragement mechanisms, with indicators of a negative association between increasing managerial coordination and the advent of mutual military buildups, and the creation of alliances between the major powers and minor powers. Managerial Coordination in the 1715-1815 period did not reach a point higher than the avoidance of adversarial alliances, and did not have a statistically significant association, a confirmation of the transformation thesis. Furthermore, there were indicators that increasing major power managerial coordination has a positive association with domestic political reforms that foster democracy.

## BEFORE EMBARKING

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This is a project that focuses on the influence of one variable on interstate conflict. The positive result is a pacific one. But one should not assume that such a peace is also just. Just as the agreement of the gangsters of the first paragraph of this project to have peace may lead to a peace that hides immense human suffering, so the peace of major power coordination might not be just. It may protect injustice on a domestic level, and it may offer the opportunity for imperialism abroad. The ethical contours of such peace are important topics of study but not ones that are appropriate for the goal of this paper. In this paper I focus on peace in a very statist view, peace among states. This does not exhaust the meaning of peace. But it is a start, and as social scientific research has shown, interstate peace may be a requirement for progressive reforms within polities.

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# CHAPTER 2: THE TRANSFORMATION THESIS

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## INTRODUCTION

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In this chapter I conduct a survey on three broad groups of past scholarly work. I first look at past work on the transformation thesis, beginning with the work of scholars of economics and looking at position in support and against it in international relations research. I also explain why the question of transformation has generally been understudied by modern researchers, especially those working at the dyadic level of analysis. I then provide an overview of scholarly work on the role of the major powers in international relations, and past treatments of major power cooperation. I end with a review of past treatments of the transformation thesis by scholars of international relations. Throughout this overview I provide arguments on how my research relates to the past research corpus.

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## THE ECONOMISTIC BEGINNINGS

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The thesis that the modern international political system was radically different from the European political system from which it arose first surfaced among scholars of economics. Norman Angell and Vladimir Lenin, writing on a foundation of liberal and Marxist economic thought going back to the 18<sup>th</sup> and 19<sup>th</sup> centuries, made the argument that the expansion of the capitalist economic system had radically transformed politics (Angell 1913; Lenin 1917). The thesis was later expanded by both Marxist influenced scholars like Immanuel Wallerstein (1980) and Karl Polanyi (1944), and broadly liberal scholars like Milton Friedman (1962).

The connection between the transformation of the economic and the transformation of the political system has tended to be underdeveloped. Some good work has been done on the connection

between the capitalist and political transformation (Gleditsch 2008; Gatzke 2007; Mousseau 2003; Choucri 1980). But the general view is that the political system is epiphenomenal to the economic system. I disagree with this position and argue that while the expansion of the capitalist system has led to an increase in the interactions of states, and that increase in interaction has increased the demand for multilateral regimes, it is not per-se the cause of the creation of multilateral regimes.<sup>1</sup> Instead it is interaction in general under certain assumptions that leads to the creation of political multilateral regimes. While economic transformation has been one of the main causes of the intensification of interaction in the modern world, it is not the only possible cause of this intensification (the spread of religions, or the attempt to create world empires are other causes, for examples see Buzan and Little 2000).

Furthermore the regimes that will arise out of this intensified interaction in order to accommodate the demands it creates are not determined by the cause of interaction. Mid-range variables explain the fact that the global expansion of capitalism in the 19<sup>th</sup> century was associated with two different political systems in Europe, the Vienna System (1816-1848), the Bismarck System (1871-1914), different systems in the Americas (British-US cooperative Hegemony 1830-1900), and another system in Asia and Africa (colonialism). States have options on how to address international issues, and those options are only partly determined by the character of the issues.

One mid-range explanation for this variability is presented by a slightly different version of the economic transformation thesis, the hegemonic stability thesis expounded by scholars like Robert Gilpin (1981) and Robert Keohane (1983, 1984). For these scholars the changes brought about by economic transformation are translated to political changes through the actions of hegemonic powers that create a set of regimes. Different hegemons will create different sets of regimes in their attempt to manage the pressures and opportunities created by the capitalist system. As hegemons decline the economic regimes they set up also decline leading to systemic change, as either new hegemons arise to replace the declining

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<sup>1</sup> The intensity of that interaction in turn is driven by the demands of citizens on states for international action, and by the decision of states among multiple options to address those demands on the international stage. For a full explanation see the nested model by Bear Braumoeller (2012).

ones and create new regimes or the regimes are taken up by consortiums of states as the rules for their interaction (on the replacement result see Gilpin 1981; on the consortium result see Keohane 1984).

Compared to the economic transformation thesis, the hegemonic stability thesis captures the element of a mid-range variable in systems transformation. This is the role of powerful members of the system in the creation and maintenance of the regimes that make up the system. But there is a fault in the hegemonic stability thesis. First the thesis assumes, rather than proves that only hegemonic powers can create the regimes that define a system. This assumption is based on the domestic analogy where public goods, like economic regimes, must be provided by an entity willing to pay the price for providing the regimes, like the state apparatus. But regimes are a public good also in the sense that interacting social entities will be driven to create them where there are none. A hegemon may be useful, but is not necessary. As this project argues, under certain assumptions interacting states will always have an incentive to form collaborative regimes. As critical theory scholars point out, history is replete with regimes formed in the absence of hierarchy (Cox 1981).

Second, the historical narrative presented by hegemonic stability theorists is problematic as they tend to see hegemons where none may exist. For example the hegemonic stability theorists consider the 1815-1871 system as one of British Hegemony. However some historians like Paul Schroder point out that the early part of this period, 1815-1848, was more a cooperative bipolar hegemonic system, between Russia and Britain with the accommodation of the other major powers, rather than a unipolar hegemonic system (1994). The point being that hegemony was far from certain, and hegemons many times behaved in a way not consistent with the theories. However, the hegemonic stability thesis correctly focuses on the role of major powers in the formation and transformation of international political systems.

## THE REALIST OPPOSITION

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The hegemonic stability theory, rather than as a part of the transformation thesis, was initially conceived as a way to address the flaws of the paradigm in international relations that most vehemently rejects the transformation thesis, “realism”. The belief that little or nothing has changed in the international political system was characteristic of classical realists like Hans Morgenthau (1948[2006]:4, 7-26). Kenneth Waltz in his *Theory of International Politics* (1979) attacked the economic transformation thesis. Ever since then a rejection of the transformation thesis has been a characteristic of Waltzian structural realism. Waltz himself champions a nuclear transformation thesis (Sagan and Waltz 2003). The father of offensive realism, John Mearsheimer has repeatedly rejected a transformation thesis (1994, 2003). For most realists there is no difference between a system in which war, and the threat of war is the only means to resolve an issue, and one in which war is just one among many means.<sup>2</sup>

This “realist” rejection of the transformation thesis is shared by the liberal intuitionists that rose out of realism, like Robert Keohane, and early regime theorists like Stephen Krasner. While both stressed, contra-realists, the important role intergovernmental institutions and regimes play in the management of international relations they ignored the question of whether those institutions and regimes constitute a different international system than one where they do not exist (Keohane 1983,1984; Krasner 1982). Keohane and Nye did differentiate between systems with complex interdependence and systems without it, but they had no explanation of how a system becomes a complex interdependence system, that is they have no story of transformation (Keohane and Nye 1989).

A central failing of both “realists” and liberal intuitionists is their incomplete view of the system. As Dina Zinnes noted a system to make sense must be different from an environment (Zinnes

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<sup>2</sup> Defensive realists have generally ignored the transformation thesis (Glaser 1994/5, 1997, 2003; Walt 1987; Grieco 1988; Mastaduno 1991, Van Evera 1999). Randal Schweller is the only one that discusses the possibility of transformation of the system, when he argues that if there are no revisionist states a system can move from a system of polarity to a congress system (Schweller 1994: 107). My disagreement with this thesis is that only certain types of revisionism stand in the way of a managerial coordination system.



1980). The environment tends to be made up of elements that either change very little or very slowly, essentially over generations. Such is the number of states in the system, their material capabilities, whether states are armed or not. These elements tend to be attributes of a system rather than variables of a system.<sup>3</sup> They change too slowly to affect state behavior in such a way as to constitute a system. States react to the distributions of the environment, but the same distribution could elicit radically different reactions. “Realism” focuses on these attributes and considers them as determining the relations of states, which is the behavioral element of a system (Zinnes 1980; 7-15). Because these attributes, like a symmetrical distribution of material capabilities, change very slowly on a systemic level “realists” see no system transformation except for those that lead from hierarchy to anarchy or from an armed world to a disarmed world.

For realists the only regime possible under these conditions is one of power politics, and any deviation from this political reality is either doomed to be short-lived, or in some way a part of the power political game (Morgenthau 1948). Just as simple economism sees the international political system as epiphenomenal to material economic forces, so “realism” sees it as epiphenomenal to other material attributes. Since liberal intuitionists build their theory on the basis of a hegemon that “wins” the power politics game, determined by the same composite attributes used by realists, their theory also suffers from this flaw.

Yet, these attributes are not sufficient variables for explaining state behavior. Changes in a composite attribute may elicit a change of behavior by states but what form that change will take, or even if there will be one is conditioned by intermediate variables such as foreign policy or the mix of regimes that exist in the system to guide behavior. To jump from attributes to behavior is to miss a big part of the story of international relations. Regimes belong to the second set of variables that Zinnes sees as characterizing work on the nature of international political systems. These are configurational variables, which tend to be behavioral and measure how actors use the environment they are situated within rather

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<sup>3</sup> An equally plausible conceptual framework is the structure-system one in Braumoeller (2012:4-6)

than measuring the environment itself. Such variables are alignment patterns, normative cultures, regimes, or the prestige and standing of states. They are configurational because they answer the question of who is supposed to do what, or who can do what, instead of who has what. The main variable of this project, the intensity of major power managerial coordination in pursuit of cooperation is such a configurational variable.

The following example may make the distinction of an environment of attributes (or structure) and a system of variables more clear. While “realists” claim to place in the center of their explanation of politics the relative material capabilities of states they assume that the only possible result of any configuration of this variable is some element of power politics. But the relative material capabilities of two states are a composite attribute, not a configurational variable. The reaction to that distribution, in the case of realism power politics, is a configurational variable. Realists assume that for a rational state that prizes survive over all, power politics is the only behavior that can rise from a distribution of material capabilities. This is not necessarily the case. Other configurational variables may impact the reaction. For example for defensive realists preference towards the status quo is one such variable. It also misses how a configurational variable like “power politics” exerts its own causal influence on the behavior of states (Vasquez 1998).

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## THE MID-RANGE IGNORES

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On the contrary configurational variables, how states (more properly state elites) conceive of their role and behavior in the international system, how they conceive of the regimes of the system, and what those regimes are greatly influence how states use their environment of attributes to attain goals and interact with each other. Mid-range theories of international relations have focused on trying to explain the diverse behaviors associated with different behavioral variables even when attributes do not change greatly. Dyadic explanations for war have produced an impressive array of social scientific findings,

especially those centered on the pacific effect of democratic political organization, trade, and international institutions (for overviews see Gleditsch 2008; Pollins 2008; Chan 2000; Russett and Oneal 2001; Mansfield and Pollins 2001; Schneider 2000). Below I look at some possible explanations for the transformation of the international system from a war-inducing to a peace-inducing one that begin from variables at the dyadic or monadic level before explaining why these are insufficient.

There is a rich literature on the pacific effect of regimes in the system like intergovernmental organizations that provide states with pacific means for managing international issues. Wallensteen stressed the importance for peace, of states respecting norms and rules, which generally are translated into formal and informal international agreements (Wallensteen 1984). Scholars such as Kegley and Raymond (1982, 1984), Wallace (1982), and Vayrynen (1983) researched the effect of robust system-wide norms, and institutionalized forms of those norms on the propensity of states to go to war, and found that periods where norms are not permissive of unilateral behavior (such as war initiation), or periods when managerial alliances between states exist, are more peaceful than periods that lack these characteristics.

Faber and Weaver (1984) in the period between 1816 and 1915 find that as the number of states participating in conferences whose goal was to promote peace increased, the number of states participating in warfare decreased. Significantly, Faber and Weaver distinguished between institutions that are specifically created to affect issues of war and security and all other institutions. Boehmer, Gatzke and Nordstorm (2004) also focused on the effect of global peace institutions, this time intergovernmental organizations (IGOs). As Faber and Weaver did for informal multilateral peace institutions, they differentiate organizations depending on their level of institutionalization; how organized and bureaucratically rich they are. They also differentiate between organizations with security mandates and those without.<sup>4</sup> Their most relevant finding for this paper (for the 1950-1991 period) is that highly institutionalized security mandate IGOs are more efficient in reducing the amount of conflict in the world.

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<sup>4</sup> This is proposition 6 on page 15, which focuses on the mechanism of costly signals and how IGOs affect it.

Another set of authors researched how institutions helped states mediate their differences, with Mitchell and Hensel (2007) finding that dyadic institution membership enhances compliance with agreements. Brochmann and Hensel find that river management that is institutionalized tends to lead to negotiation over river claims (Brochmann and Hensel 2009). To put it simply the existence of regimes that help states to solve their issue in a pacific manner will lead states to do so.

Most of the explanations for the pacific effect of international institutions follow two distinct tracks, the rational model approach and the normative approach. The rational approach focuses on the effect that international institutions have on the shadow of the future and the communication of preferences as key factors for the stability of bargaining (Axelrod 1984:173; Fearon 1995, 1998; Ostrom *et al* 1999; Drezner 2000; Powell 2006, Cooper *et al* 2008). For example, Pahre (1994) focuses on the larger effect of the grim trigger threat, the complete collapse of cooperation if one actor defects, produced when the number of possible defectors is large (Lohmann 1997). David Earnest (2008) argues that multilateralism helps preference communication. The normative explanation argues that dense international institutions change the preferences of states. Russett and Oneal make this case for the effect of international organizations in conjunction with democracy and trade (Russett and Oneal 2001).<sup>5</sup> A good overview of this literature is Raymond (2000).

Another possible explanation for the transformation of international politics is the rise of liberal representative democracy as a political regime at the state level, and a spillover of pacific effects at the other levels of analysis. Oneal and Russett (1999) find empirical support for the proposition that high levels of democracy in the system, coupled with high levels of interdependence and intergovernmental organization density, is associated with dyadic peace. Mitchell (2002) finds that as the proportion of democracies in the system goes up the democratic norm of third-party dispute resolution starts been used by mixed and authoritarian dyads. Maoz (2004) finds some support for an independent effect of systemic

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<sup>5</sup> Martha Finnemore has also studied the normative effect and the institutional expression of norms on state preferences (Finnemore and Sikkink 1998; Finnemore 2004).

democratization, which he attributed to a spillover of pacific norms from democratic to mixed dyads, and then to authoritarian dyads. A counter argument for the same effect has been put forward focusing on the war winning reputation of democracies (Russett and Starr 2000: 112-113; Biddle and Long 2004).

As far as explanations for this effect, detailed explanations for the pacific effect of system democracy are sparse. Mitchell and Maoz tend to present the normative explanations. The normative explanation stems from Doyle's Kantian thesis (1983, 2005). The normative explanation of the democratic peace has been supported by many scholars and some findings have been found to support its explanatory power (Rummel 1983; Maoz and Abdolali 1989; Maoz and Russett 1993; Oneal and Russett 2001; Dixon and Senese 2002; Mousseau 2003).<sup>6</sup>

An alternative explanation to the normative one is the institutional one. The institutional explanation attributes the democratic peace to the way democratic states are set up (De Mesquita and Lamlan, 1992; Maoz and Russett 1993; De Mesquita and Siverson 1995; Reiter and Stam 1998). Finally there is an informational argument focusing on how the institutional makeup of democratic states has a positive effect on the communication of preferences (Schultz 1998, 1999). The thesis has its supporters (Kydd 1997; Letzkian and Souva 2009). However scholars that tried to extend the thesis implications to international trade have found it to be wanting (Kono 2006; Dai 2006 ab). These two last groups of explanations though are not well placed to explain peace beyond democratic dyads.

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## THE INADEQUACY OF DYADIC EXPLANATIONS

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Studies focusing on the dyad have provided evidence for the pacific effect of some environmental attributes (democratic regimes) and variables (international institutions and norms). However, their explanations for these pacific effects are incomplete, whether rational, intuitionist, or normative. This is

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<sup>6</sup> It also has its detractors (Rosato 2003). However, attacks on the dyadic democratic peace tend to target the monadic explanation rather than the dyadic one made by Doyle (1983), or ignore the interdependent character of the pieces of the liberal explanation (Doyle 2005; Kinsella 2005).

because no explanation is provided for the creation of these regimes, whether democracy, international norms, or international institutions. As a result such dyadic explanations may ignore selection effects created by the innovation process that brings about these mid-range variables.

The normative approach to explaining the pacific effect of international institutions does not easily explain the source of changed norms. We have good explanations of normative change, even of how norm entrepreneurs “sell” norms to policy makers (Adler 1982). But we lack a story of why policy makers decide to follow those norms and why those entrepreneurs seek normative change. The rational explanations for the pacific effect of peace institutions do not provide a story for the innovation of those institutions, or which states will rationally conclude that the creation of those institutions is in their interest.

The normative explanation for the democratic peace in the form expounded by Doyle suffers from the fact that the expected increased war-process of mixed-regime dyads does not materialize which questions its causal story. This seems to indicate the validity of Mitchell’s normative argument. However for that argument to be correct it must first address the fact that that the norm entrepreneurs were two aggressive major powers, the US and the United Kingdom, or that the first states that copied these norms were the other major powers that the US and UK interacted with (the 1899/1907 conventions cited were both initiated by the autocratic Russian Tsar).

The institutional explanations for the democratic peace tend to ignore the evidence that democracy to take root requires a fairly pacific international system with robust norms, a point that can be made about many dyadic level explanatory variables. Thus the pacific effects of trade-interdependence require a robust international market economy regime. The pacific effect of dyadic membership in international institutions has never been disaggregated from the multilateral character of those institutions. The democratic peace provides an excellent example of this dependency.

The democratic peace requires that the two states are democracies, and there are a number of social scientific findings that indicate that democracy itself may be crucially contingent on some multilateral factor. Gibler for example, presents an explanation that the democratic peace is the result of a pre-existing territorial peace (Gibler 2007; Hutchison and Gibler 2007). In turn the successful resolution of territorial problems hinges on the existence of a robust multilateral territorial integrity norm (Zacher 2001). Even if we do not accept the connection between democracy and territory, the creation of democratic polities seems to hinge on the pacific character of the “neighborhood” of the transforming polity, a “systemic” variable (Ray 2000; Maoz 1996, 1998; Russett and Oneal 2001; Pevehouse 2002).<sup>7</sup>

The above example and the previous discussion should make a case about why a strictly dyadic focus is inadequate to explain peace. It is not a claim that dyadic factors are not important. Indeed they are probably the most important factors. But their effect is in conjunction with monadic and systemic factors in the form of multilateral regimes.<sup>8</sup> Dyadic explanations also suffer from a number of general problems when it comes to addressing the question of transformation, some shared with realism and liberal institutionalism, and some that are specific to the dyadic view of international politics.

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## FIELD-WIDE ISSUES

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The field as a whole tends to suffer from two general problems that make it hard to study transformation in international politics. First of all, by and large, despite exceptions, we as scholars focus on the post-1815 period of history. For example, the most recent treatment of systemic variable covers only the post-1816 period (Braumoeller 2012). This is not wrong per-se, as we are not historians but political scientists. The contemporary past casts a stronger shadow on current and future policy than older

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<sup>7</sup> Alternatively, Kevin Narizny makes the argument that democratization in the system is the policy of major capitalist powers which react to the demand of domestic and international capital, itself a creation of the world system, for protection from rent-seeking (2007).

<sup>8</sup> Braumoeller offers further argumentation for the inadequacy of a dyad only level of analysis exploration of conflict and peace (2012: 2-10, 18-21).

eras. But it does inhibit the ability of scholars to evaluate long term change and its effect on political actors.

Second, our research is biased from that temporal domain to treat the international system as one system. We ignore the fact that this international system was not the only possible evolution of the international system, and that the way it evolved from the multiple discrete systems that were its precursors has a large effect on the character of international relations. This is a problem that the above literature suffers from. It is also a problem that most dyadic explanations of peace ignore. Part of the incentive for this is the problems noted above. But in the case of strictly dyadic explanations, another motive is the vagueness of the concept of the system, and the problems with measuring systemic variables (Singer 1961; Braumoeller 2008,2012)

Dyadic explanations are further inadequate in explaining peace because they suffer from the problems of bilateral solutions to war. If peace is just the result of bilateral interactions and the characteristics of the two actors interacting then we should have expected a rise in the number of wars in the 19<sup>th</sup> and 20<sup>th</sup> century due to the rise of the number of bilateral pairings of states because of the increased number of states in the international system. Bilateral attempts to manage issues, if they are independent of factors from higher or lower levels of analysis, run into the problems of cooperation pointed out by Robert Jervis, James Fearon, and Robert Powell (Jervis 1978; Fearon 1995, 1998; Powell 2006).

More specifically, bilateral attempts to overcome the path to military conflict fall prey to the shadow of the future, and problems with the communication of preferences. While each of the variables at the center of the dyadic explanations of peace is postulated to overcome these two problems, multilateral versions may have a stronger effect. As David Earnest showed using ABM models, as the number of actors in negotiation goes up it becomes more efficient to communicate preferences (2008; for a counter-view see Oye 1985). As far as the shadow of the future is concerned making agreements multilateral



helps lengthen the shadow of the future by mitigating the chance that third parties will try to annul the agreement due to externalities, by making costlier such an annulment, and by making collective punishment more possible (Oye 1985).

Another theme of the above literatures that contributes to the inability to address the role of regimes in constituting a system or transforming a system is the way major powers are treated within those literatures. In the case of realism and liberal institutionalism it is a case of use and abuse. Realists assume major powers are the most important countries for a theory, and usually do not provide a theory of why they are the most important states beyond their preponderant capabilities (see Waltz 1978; Mearsheimer 2001). In many ways major powers are used in realism as a “crash dummy”, the idea being that if it is shown that the most powerful states in the world cannot escape the demands of power politics then no state can escape them. Nonetheless, as noted above realists make too many restrictive assumptions about the behavior of states, and especially major powers. Major Powers are always the recipients of the demands of the international system rather than positive actors. Liberal intuitionists have inherited an element of that restrictive view of major power behavior with only the extremely powerful hegemons being able to act positively on the system.

In the case of mid-range theories the case is one of omission. If major powers figure in them at all it is as control variables. There is usually no attempt to theorize about the relationship between major powers and the pacific variables of interest. This is problematic because objectively speaking major powers are important. Major Powers are significant because they are the most interdependent states in the international system as a result of their increased capabilities, which in turn leads them to being the first states whose relations will be transformed by that increased interdependence (Holsti 1980). If new regimes or innovations of political behavior will rise in reaction to the demands of that increased interdependence and then spread to become international ones, they will first do so among the major powers. And as Hostli points out, whether interdependence will lead to positive or negative effects largely depends on context and more importantly on how states react to it (1980:27).

Furthermore, taking the relations of major powers seriously as the first focus of a study of the way states manage increased interdependence resolves the ecological fallacy of using system interdependence as a variable. Since any dyad may be less or more interdependent than the average system dyad, one cannot say that a more interdependent system has result a or b. But one can safely assume, to a point, that major powers are more interdependent than the average dyad. Consequently if one wishes to focus on the effects of high interdependence in international politics one can start with the major powers (Hostli 1980).

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## MAJOR POWERS AND INTERNATIONAL RELATIONS

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First, what do I mean by the term major powers? For the purposes of this study a major power is a sovereign weberian state that has material capabilities large enough to be able to gain a compromise settlement in a military conflict with the most powerful state in the international system when both have used the maximum available material capabilities in that conflict (Mearsheimer 2003). It is also a state that exhibits military and political activity outside its immediate geographical area.<sup>9</sup> It is also a state that the most powerful state in the system seeks to ally with or considers an important actor of international relations. All of the above must be met. Specific periods may add requirements, like a nuclear arsenal, but the above elements are the minimum required.

Scholars in the past have looked into the role major powers play in creating international regimes for the management of the relations of states. However, scholars looking at other pacific variables have failed to integrate their research with that past research on major power politics and peace. This project tries to do this to a point. When it comes to the study of major power managerial cooperation in the past, this tended to be part of two different traditions that made the same predictions.

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<sup>9</sup> Political Activity here means alliance (including asymmetrical relationships like protectorates) and intergovernmental organization membership.

One school, let us call it the “prudential diplomacy” school, tended to study the effects of a major power managerial system in a historiographic manner. Exemplars of this school are diplomatic historians like Norman Rich (1992), classical realists such as Hans Morgenthau (1948), English School scholars like Hedley Bull (1977), and scholars of foreign policy analysis like Henry Kissinger (1994). Scholars of this tradition tended to treat major power managerial systems as both outputs and inputs of international diplomacy. The other tradition is the peace science tradition, which tended to approach the subject in a quantitative manner, exemplified by the work of scholars such as Raimo Vayrynen (1983), Manus Midlarsky (1984), and Peter Wallensteen (1981,1984). These scholars tended to treat a major power managerial system as an input only.

Whilst the two traditions differed on methods and sometimes on questions, the basic proposition of these scholars was that major power behavior and policies have a huge impact on the propensity of states to resort to war. The relative pacific character of the 1816-1840 period and the 1870s to 1890s is attributed to the existence of some level of major power managerial cooperation in the form of a formal (the Congress of Vienna System) or informal (the Bismarck System) managerial system. Breakdowns of these systems signified a relaxation of international norms against unilateral behavior and an increase in war outbreak (Vayrynen 1983).

The most systematic findings were those by Wallensteen. Systems with a major power managerial regime tend to be periods of “universalism”. In such periods, the major powers avoid expansionist excesses and follow a prudent foreign policy coordinating their imperialism against areas outside their immediate neighborhoods, or adhere to a diplomatic system of reconciliation. Such periods should be more peaceful than periods of “particularism”, characterized by major power discord, adversarial alliances, and a willingness to undermine the international diplomatic system. Wallensteen finds some empirical support for these theories as periods of universalism (1816-48,1871-95,1919-32,1963-76) were less war prone than periods of particularism in his 1816-1976 sample.

While this literature is rich in descriptive analysis and has produced some important findings, it suffers from a lack of an agreed upon operationalization of what a major power managerial system is. As a result, while all agree to an extent on what a major power managerial system entails, their findings are not perfectly compatible due to variance in how scholars conceptualize and operationalize the variable. This makes scientific consilience harder.

Moreover, most of the studies tend to relate the pacific effect of the presence of a major power managerial system to the aggregate level of conflict in the system rather than the level of analysis in which the decisions to go to war usually take place, which is the dyad. As a result theoretical stories tend to under-explain how a systemic variable like managerial coordination affects dyadic outcomes. Few mechanisms that transport the systemic input to a dyadic outcome have been formulated, and even fewer have been evaluated. To rectify these problems in this project, I provide a replicable scale for evaluating the level of major power managerial cooperation for the system. Also, I evaluate the pacific effect of that level on the propensity of dyads to use military force to resolve their issues. The process that leads to war is largely dyadic, as is the process of war's diffusion, even if the result is multilateral. It makes intuitive sense to evaluate if pacific factors affect that process (Pollins 1996).

The above literature tends to focus on positive major power cooperation in resolving issues, which managerial coordination. This activist view is not the only possible way for major powers to cooperate. Sometimes just by trying to avoid interaction of certain issues major powers may be able to keep peace, even in the midst of enmity. This is the type of major power cooperative regime that Roger E. Kanet and Edward A. Kolodziej (1991) argue the Soviet Union and the United States developed during the Cold War. This cooperation by avoidance is a form of cooperation because it is made up of interdependent exchanges in which stakes and moves are defined by their mutually expected behavior in pursuit of shared and conflicting values and interests (Kanet and Kolodziej 1991:6). While this project focuses on the creation and maintenance of a more positive regime of major power cooperation, I do wish

the reader to be aware that pacific cooperation need not always be the result of active managerial coordination (Kanet and Kolodziej 1991:12).

Lest the reader think that only cooperation by avoidance can exist in the context of opposition between the major powers, active cooperation in the form of regime creation can also exist in such conditions. Benjamin Miller presents a model of major power cooperation and conflict which is interesting and worth a more detailed look (1995). Miller's thesis is that different structural (defined as polarity) and ideological (defined as ideological convergence) environments structure different types of major power cooperative or conflictual behavior when it comes to the onset of inadvertent and intended wars, or successful conflict management and conflict resolution (1995: 38,67). While his main thesis is problematic due to his reliance on difficult to determine structural factors (polarity), and his focus on the questionable concept of inadvertent war, the author provides some very interesting insights on the preconditions and character of major power cooperation.

Miller argues that the key for the highest forms of major power managerial cooperation, which are concerts, is the convergence of leader perceptions in a process of cognitive learning by elites. For Miller this convergence is caused by a compatibility of state attributes and an explicit legitimacy of the status quo (1995: 6). While I agree that major power managerial cooperation as a regime is the result of a learning process, I disagree that this process is the result of compatible state attributes, although they can help. Instead my argument sees the root of cooperation in war wariness instilled in major power elites by threats to their domestic power due to major power war. That said, Miller is correct to stress that major powers must prefer the status quo to war for concerts to arise (one must note that preference for the status quo to war does not mean a preference for no change, just that any change happens according to existing rules rather than by violence).

Miller looks at major power cooperation as part of the process of changing a spontaneously created balance of power system to a deliberate international society (1995:12-13). He argues that

Anarchy does not nullify cooperation but only produces variable versions of cooperation. This is based on the dual effect of the increased ability of major powers to withstand hurt and hurt others. On the one hand this puts a limit to cooperation as major powers can afford to renege more than minor states (Miller 1995: 16-17). At the same time though the reality of increased major power ability to withstand hurt and give hurt means that unilateral actions are more costly and dangerous in the face of the shadow of the future. This is because they are less likely to prohibit reciprocation in kind and more probable to invite it rather than multilateral actions. Force is avoided exactly because the victim can retaliate or rely on a major power to retaliate. This provides an incentive for major powers to avoid unilateral military actions and try and coordinate their policies.

As for his explanation for the rise of major power concerts his main variables are primarily from the unit level of analysis. These are regime similarity and fear of the domestic results of war. There is also one systemic variable, parity (Miller 1995: 90). The unit level variables in turn are determined by elite views of the dynamics of international politics, the relation between global politics and regional conflicts, and the image of opponents. He further argues that the domestic political system of the major powers will determine if a concert will be a concert or a condominium, with pluralist states creating the first and authoritarian the second type of cooperation. For Miller it is these domestic and quasi-domestic factors that determine major power cooperation as opposed with structural factors or relative capabilities (1995: 93).

While I agree with Miller on his assessment of the limits of structural explanations for major power cooperation I disagree on the explanatory variables to a point. I do not believe that ideological similarity is a key to the creation of a major power concert or the existence of high level major power managerial cooperation. The Vienna system was characterized by ideological plurality among the major powers that made it up (Schroeder 1994). I do agree that fear of the domestic consequences of war spurs elites to craft regimes that provide alternatives to war, but disagree that these fears are only of revolution caused by war or fear of inadvertent war (Miller 1995: 102). Any major power war can create such

economic and social demands that even victory would not avoid challenges to the social system, as happened with France and the UK after World War 1. Major Powers become status-quo powers or pacific revisionists because they see war as a means of revision as too dangerous for domestic reasons.

In conclusion, the main point from Miller's thesis is that major power cooperation is important for creating pacific regimes, and that the impetus for major powers to do comes from domestic dynamics tied to the costs of war. A specific form of major power cooperation is collective preventive diplomacy. Barry H. Steiner looked at collective major power preventive diplomacy in the case of ethnic crises (2004). While this is a different application of major power managerial cooperation than one that seeks to resolve peacefully international crises some interesting insights can be gained. One is Steiner's finding that major power cooperative diplomacy seeks first to insulate major powers from a possible conflict, by decreasing the chance of the major powers entering unilaterally a conflict. This first phase then permits the major powers to intervene to diffuse the conflict between the primary antagonists (Steiner 2004: 24,27).

Collective major power cooperation works by increasing the leverage of major powers on primary antagonists and decreasing the incentives for opportunistic unilateral major power action (Steiner 2004: 7). These two effects, the decrease of major power unilateral behavior and the fear of major power intervention, also affect interstate disputes. Another important point Steiner makes that also applies to international relations is that local resistance to major power intervention is not insurmountable if the major powers are actively cooperating. Steiner also offers a categorization of types of major power cooperation, differentiating between tight concerts, loose concerts and prevailing opposition (Steiner 2004). While interesting his categories do not clearly clarify if they represent different causal mechanisms or different results. Furthermore they are too sparse to adequately capture the different levels of major power cooperation in the international system.

The final useful points from Steiner's analysis of several case studies of major power preventive diplomacy are that major powers on average take great pains to be conciliatory with each other and to problem solve their differences even if they know that any solution is transitory (Steiner 2004:193). This is important because it indicates that even short shadows of the future do not nullify the drive for major power cooperation. Furthermore major power cooperation is a necessary condition to stop intrastate actors from gaining major power support for their wars (Steiner 2004: 199). It fits with my argument that one of the basic pacific effects of major power cooperation is to make it harder for conflicting actors to gain major power support for military activity.

The above literature demonstrates that scholars have considered major power managerial cooperation as an important pacific variable in international politics. However, the regime of major power managerial coordination is something much more. Because of the temporal bias of the field noted above, these scholars have missed the innovative and in the end transformative character of the attempt of major powers to replace their opportunistic cooperation with managerial coordination. The advent of major power managerial coordination transformed a basically war-inducing system to a peace inducing system after 1816. There are scholars who have grasped the transformative potential of regimes and of major power managerial coordination especially and I will now look at their work.

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## EXPONENTS OF THE TRANSFORMATION THESIS

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A good starting point when talking about transformation episodes is to think about what transformation means. Stephen Genco argues that system transformations are characterized by step rather than incremental change, are system wide rather than sectorial, and figure the extension of commitments into new areas (Genco 1980). Genco writes in reaction to integration theory and essentially argues that incremental processes like integration are not transformation episodes. The problem with incrementalist



views is that they use variables that refer to the initiation of change as explanatory of maintenance. For Genco crises are formative events that produce transformation episodes.

There are reasons to agree and disagree with this view. To talk about the transformation of international politics, at some point there must be an event A before which there was system 1 and after which system 2. Crises, such a multilateral wars that threaten many major powers with extinction or demotion act as those points in most works that think about transformation (for example Gilpin 1981). But the arrival at event A is the results of an incremental procedure during which important states face a sequence of crises events that make them question the dominant system of regimes. Furthermore event A need not be a system wide event. What it must be is an event that influences all the major actors of a system, the ones that maintain regimes and the ones with ability to change them through coordinated action.

Once the major actors have decided to create a new regime the other actors of a system either due to compulsion, or imitation will become members of the regime. Thus a major power regime will spread to the whole system. But the transformation has already happened as the major actors are not part of the old system anymore. A transformation may only slowly and incrementally expand to cover the whole system. That does not mean that a transformation did not take place, but areas in the periphery of a system may still operate under the old system, constituting a different system to the one where the new regime holds (Africa, Asia, South America in the 1815-1880 period).

An example of a literature that looks at transformation episodes is the security community literature. First espoused by Karl Deutsch (1969), the literature on security communities expressly concerned itself with the transformation thesis (Adler and Bennet 1998). But as opposed to the transformation of the international political system as a whole, it focuses on transformation of parts of the system to essentially Kantian systems (Deutsch 1969; Jervis 2002). While this work is important it raises an salient question. Are these security communities possible in a general war-inducing international

political system or are they made possible thanks to the peace-inducing transformation of the international political system? In other words, does the ability of states to avoid militarizing their issues first require that states have multiple means to resolve issues? This literature does not answer these questions.

It is the work of a historian, Paul Schroeder, which gives a first glimpse of an answer. In his monumental “The Transformation of European Politics 1763-1848”, Schroeder goes about to provide a historical narrative for the transformation of European politics from a pre-1815 balance of power system that was war-inducing, to a major power managerial system after 1815 that was peace-inducing (1994). Schroeder starts by laying forth a basic theoretical story that the governments of Europe because of the wars and war scares of the 1763-1815 period increasingly began to see the balance of power regime as the basic cause of their insecurity (1994: 5-11). The near extinction of a number of major powers in the Napoleonic wars, and the belief that the costs of war lead to revolution, led the European powers with Austria first, to innovate a new managerial coordination regime (Schroeder 1994:33-34,38,47-48,65,77,88,91; Esdaile 2007).

In Schroeder’s narrative the regimes of the balance of power system made it impossible for the major powers to manage the successive crises of the late 18<sup>th</sup> century without decreasing their security and increasing the chance of a major war. The Polish partitions, Dutch Revolt, Russo-Ottoman Wars of Catherine the Great, Belgian revolt of 1789, and Dutch Revolt of 1785-1787 were all managed in a way that increased the probability of a general war happening in the end, as happened after the French revolution of 1789. Schroeder does not see the Revolutionary and Napoleonic wars as a result of ideological fervor but as a result of the failure of all the major powers to exit the zero-sum game of the 18<sup>th</sup> century and resolve the issues at stake without decreasing their security (1994: 175-176).

The state elites to first come to this conclusion were those of Austria that had faced the threat of extinction as a major power in 1756, saw its security undermined by balance of power politics in the East pursued by Russia, and faced the threat of extinction and domestic turmoil in 1803, and again in 1809.

But only once when the majority of major powers had arrived to the conclusion that the old “game” was too dangerous to continue playing did a new international regime arise. This happened thanks to the fact that all the other major powers found themselves defeated or isolated due to various events of the Napoleonic wars (1806 Franco-Prussian war, the isolation of Great Britain after the treaty of Tilsit 1807, the 1812 Russian campaign, 1814 campaign), and because Napoleon was unable to craft a peace system out of his empire (Schroeder 1994: 286-289,306,308, 316, 361-2,372-383,395, 433, 441, 451,458, 460-1,469, 483; Esdaile 2007:563-565).

Schroeder’s narrative then contrasts the old system with the more successful management of international issues after the 1815 system comes to being, with the Treaties of Reichnbad of 1813 as the crucial turning point that showed that at least three major powers , Austria, Prussia, and Russia had decided that their security was interlinked (1994: 473-4, 482-483). With Britain joining this new alliance system in 1814, and France accepting it terms in1815, the Vienna system came to the fore (Schroeder 1994, 485-486, 492, 501, 504, 516, 523).

The system successfully resolved the crises of the 100 days in 1815, the questions raised in 1815-1818 over the territorial and political makeup of Europe, the Bavarian-Baden crisis of 1819, the Spanish and Italian revolts of 1820-1, the Greek Revolution of 1821-1830, the French intervention in Spain in 1823, the Anglo-French intervention in Portugal, the Latin American revolutions, the July Revolt in France in 1830, the Belgian Revolt of 1830-1832, the Papal State Revolt of 1830, the 1830-1831 Polish Revolt, the creation of the Zollverein, the Belgian-Dutch crisis of 1838, the Spanish and Portuguese Civil Wars of 1832 and 1833, the First Eastern Crisis of 1832, and the 1840 Rhine crisis, with only the Second Eastern Crisis being a failure of the system.<sup>10</sup>

The managerial regime according to Schroeder was based on a core of an accommodative Anglo-Russian bipolar hegemony and legitimist ideology, a system that both states had sought to create earlier in

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<sup>10</sup> For the individual crises see Schroeder 1994:523,525-7,536-8,550,562,608,610-12,617,620,622,624-631,633-656,662,668,670,673-4,676,680-4,686-7,690-693,705,707,714,717,720,727,729-735-756

the 18<sup>th</sup> century (1994: 81-82,534,558). The system was bipolar in that Great Britain and Russia were impervious to the violent action of other states. It was hegemonic because outside of Europe the two powers largely did as they willed (Schroeder 1994: 575,757). But it was accommodative and cooperative within Europe as the two flanking powers were willing to work with, and respect the security needs of the important intermediary major powers. These in turn did not try to balance against the flanking powers. In turn all powers together tried to resolve minor power issues and major-minor power issues in a pacific manner or with the goal of avoiding a major power war (Schroeder 1994: 577-580). The elites of the system were liberal or legitimist, rather than reactionary or conservative.<sup>11</sup>

Schroeder's historical analysis is impressive. But his theoretical story is underdeveloped; something that makes sense as his is the work of a historian. The main problem is the lack of a more nuanced explanation of why the crises and wars of the late 18<sup>th</sup> and early 19<sup>th</sup> century would lead domestic elites to replace the international political system and its regimes. Schroeder notes the domestic consequences of war as the problem, but does not provide a story of why elites would care or react as they did. This project provides such a micro-foundation. The other problem of Schroeder's analysis is that he considers the transformation of European politics from a war inducing regime to a peace inducing regime as a unique case, like any good historian would do. However another historian, Theodore Rabb, provides a narrative for a transformation of European politics between 1648 and 1715, which has many similar themes to Schroeder (1975).<sup>12</sup>

Transformations of the kind described by the two historians, rather than unique phenomena, may be rare but recurring events of political life. At the very least this is a question that can be empirically

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<sup>11</sup> According to Schroeder the essence of legitimism was the recognition that sovereign power rested on the ability of rulers to provide their subjects with a rational, just and efficient government, as opposed to divine right. The standard reaction of the system to domestic revolts was not force, but the promulgation of government reforms barring democratic expansion (Schroeder 1994: 545, 576; Esdaile 2007: 535-537). Interestingly the main proponent of this principle was Alexander I of Russia, who was willing to promote legitimism abroad but not in Russia itself.. The system fostered liberalism even if it did not foster democracy, more on which will be presented later.

<sup>12</sup> Rabb's narrative in "The Struggle for Stability in Early Modern Europe" focuses more on how political thought, art and legal thought indicate a transformation of perspectives of elites concerning international and domestic politics. The theme of change due to the failure of the old system to provide security is similar to Schroeder.

evaluated. My project is a first step in that direction by providing a political scientific evaluation of Schroeder's transformation thesis and the consequences of the transformation deep into world history as I evaluate if the regime has an effect even when managerial coordination is low or non-existent.

There is still the issue of crafting a theory about transformations and the pacific effect of major power cooperation. The work of three political scientists provides a stepping stone for theory construction. These are Hedley Bull, Alexander Wendt, and Robert Randle.

Hedley Bull's work is a useful starting point, because it is one of the first clear expositions of the thesis that there is something different about the current international system compared to previous iterations.<sup>13</sup> Bull is also important because he was among the first to associate international systems with specific multilateral regimes, although he did not use that language. These regimes, that transform a war-inducing system to a peace-inducing society, are the norm of sovereignty, the balance of power, international law, the diplomatic mechanism, and the managerial system of major powers (1977: 8-9, 13, 16-18, 44-49, 65-66, 71). Bull's analysis suffers from a number of problems. Bull exaggerates the lawless character of a possible war-inducing system (which he terms Hobbesian). Of the three characteristics that define a war-inducing system according to Bull; a lack of industry, trade and refinement, a lack of a common understanding of right and wrong; and a state of war, only the last corresponds to reality (1977: 46-47). This leads Bull to declare that European history since 1648 has been characterized as an international society (1977: 26-33).

However this is an exaggerated and abstract view of a Hobbesian system. As Bull himself notes the conception of the society by 17<sup>th</sup> and 18<sup>th</sup> century thinkers was very vague (1977: 27-33). This vagueness in my opinion was a result of the lack of many of the characteristics of the Lockean system he claims existed. Early thinkers of the international society like Vittoria and Grotius were making prescriptive calls couched in natural law for common norms exactly because those common norms were

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<sup>13</sup> Angell's work was too economically vulgar and underspecified.

not recognized. International Law in the 18<sup>th</sup> century was very vague and primitive, essentially a courtesy. The Balance of Power as Schroeder points out, was mostly a pretext and justification put forward by a minority of states. The major powers did not actively manage cooperatively in a sustained manner the issues of the European system. The diplomatic system was tied to war and not an alternative.<sup>14</sup>

Consequently Bull's argument that there was an international society in Europe between 1715 and 1815 does not hold. Most of the regimes he points to as elements of a society existed before and after 1815. The only transformation of institutions that took place in his story is that of the managerial system of the major powers and international law. My study adds to his analysis by clearly claiming that major power managerial coordination in providing alternative means to warfare, and creating a benign environment for democratization and the creation of international pacific institutions, was the key factor to the transformation of the war-inducing 18<sup>th</sup> century system to a peace-inducing post- 1816 system.

The next author of interest is Alexander Wendt. Wendt's work followed a number of early constructivist criticisms of Waltzian structural realism focused on its inability to explain the dynamic character of international politics (Ruggie 1988). Wendt, unlike Bull, considers a war-inducing Hobbesian, pacific Kantian, and peace-inducing Lockean culture as the basis of different systems of international interactions. Wendt's argument was ideational, in that the dominant norms of a system constrained and funneled the use of material resources into acceptable activity (1999: 99, 111). Different ideas about the use of material factors create different outcomes even if the material factors are the same. Wendt argues that the Lockean culture, which is the culture of the post-1815 system, is the result of interdependence, common fate, homogeneity, and self-restraint (Wendt 1999: 343).

The problem with Wendt's story of culture is his explanation. His interactionist model of ideational transformation is underspecified. Wendt does not provide an explanation of why continued

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<sup>14</sup> The only clear case of preemptive management of conflicts was the Polish Partitions (1772, 1793, 1795), and these were associated with Russian invasions of Poland and did not see consultation with all the major powers of Europe.

interaction should lead to a transformation from a Hobbesian to a Lockean system. His explanations lack a micro-foundation for a motive to avoid war and for states to form the regimes and norms that form the culture of a system. The Eastern Roman Empire and the Sassanid Persian Empire had a 200 year history of interaction but no durable common norms of coexistence surfaced. Wendt's model of transformation by interaction cannot explain why culture transformed in one long-term interaction pair and not in another.

In later work Wendt indicated that he believed that the liberal transformation thesis centered on capitalist globalization was the explanation (2000: 179). But as explained in the introductory chapter and earlier in this chapter, changes in the international economic system cannot by themselves explain changes in the international political system. That said Wendt's focus on the ideas states have about the proper use of force as central to the character of different systems is the basis of the belief that a managerial coordination regime is different from other types of major power interaction, exactly because it places limits on how power is used.

Robert Randle provides a theory of system creation and transformation based on the issues that dominate international politics (1987). For Randle issues arise out of perceptions of threat for values, and are activated either due to an endogenous process or by contagion (1987: 11-13). Issue characteristics determine if the issue is a primary issue, which can cause transformations of domestic or international politics, with the most important being their q-connectivity. This is the number of states for which the issues has high valuation intensity (Randle 1987:3-6). The way states resolve primary issues, by war, or by negotiation, or by redefinition, or by reduction of the number of states for which the issue has intense value, creates the constitution of the international system (Randle 1987: 32, 35). Major powers play an important role in the formation of constitutions by confirming the regimes used for the resolution of primary issues, which are also going to be used to resolve future issues (Randle 1987: 43). According to Randle a system transforms every time the resolution of a new issue creates a new constitution which entails a new ordering principle, new system actors, new norms, or new active issues (1987: 50, 55-57).

The signatories of a peace treaty and the states affected by it are all members of a new system constitution, whose scope increases the more multilateral the war that brought it about was, and whose sophistication increases the more organized and institutionalized its regimes are. The author locates a number of variables that he believes help pacifism; war weariness, norm acceptance, elite satisfaction, and the resolution of issues that were part of a treaty (Randle 1987: 61, 63). Randle also argues that stable regimes should be able to be implemented without creating insecurity for parties (1987: 65). For Randle, wars are one of the main causes of transformation. Constitutions themselves lead to the rise of new issues, leave space open for third party exploitation, see ideological issues rise, produce revisionism, and have technical defects that will lead to new wars (Randle 1987: 69). Other sources of transformation are technological or ideological innovation.

Transformations, according to Randle happen whenever there is a change in the issues that dominate the system, since that leads to a change of regimes. This is because issues are the system. The state system is made up of active issue networks, plus the peace settlement regimes created by the last war, and the regimes created to resolve future expected issues (Randle 1987: 99-101,103). A change in the dominant issues leads to a change in regimes and thus a system transformation. Randle then applies his theory to a narrative of international politics from the 1500s to the modern times. Whenever there was a change in the mix of active transnational issues, the appearance or resolution of a dominant issue, or changes in the major powers, Randle argues that the system was transformed. This leads him to pinpoint 26 transformations of the international system between 1550 and the present period (Randle 1987: 216-233). This is the main point of disagreement I have with his analysis.

Randle's conception of systems as made up of states interacting in the context of certain regimes, and the consideration of large multilateral wars, technological innovation, and ideological innovation as causes of transformation are worthwhile points. However, I disagree with his argument that transformation happens when issues change. As Randle himself notes, the resolution of issues that make up a constitution can be accompanied by the creation of institutionalized regimes that remain even when



those issues are resolved (Randle 1987: 129). I would argue that it is not the rise of new issues that cause transformations but the inability of the old regimes to address those issues. If the old system of regimes can accommodate the rise of new issues (liberalism in the 19<sup>th</sup> century), new major powers (the USA, Japan, and Italy in the early 20<sup>th</sup> century), or a change in the mix of transnational issues (from the primacy of questions about the Rhine frontiers to the primacy of questions about the dissolution of the Ottoman Empire after the 1870s), then the system is not transformed by the new issues. Only if the regimes of the system buckle under the pressure, and that leads to a multilateral war or threat of war which leads to the creation of new regimes, is the system transformed.

This creates not only a theoretical but also empirical difference between this project and Randle. Where he sees 26 or more transformations from 1550 to the present, I only see around six (1550-1648 Reformation, 1648-1816 Westphalia, 1816-1890 Vienna System, 1890-1919 , 1919-1930, 1930-1945, 1945-present).

Randle also does not offer a story of why issues arise and why state elites will try to transform the international system in reaction. He identifies large multilateral war as a transformative episode, but does not explain why it would play that role. Why are wars associated with transformation? I provide an explanation for this association with the concept of war wariness. He also does not test empirically his theory. This project will test empirically the result of one transformation, the 1816 Vienna system. Finally while Randle notes the importance of major powers in issue systems he does not see their managerial coordination as an important regime in itself (Randle 1987: 126-127). I disagree and will explain later in the project why managerial coordination had a transformative effect. That said Randle's work is full of rich concepts and ideas that will be used to enrich my explanation, more importantly his war-inducing and peace-inducing factors, the idea that regimes are created to resolve issues, that signatories of a peace treaty are members of the regime system it creates, and the maintenance of systems.

## SUMMARY

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In this chapter I took a broad overview of the position of extant literature about international relations on the concept of transformation and the role and effect of major power managerial coordination. The overview spanned from the study of the transformative effect of capitalism in the early 20<sup>th</sup> century to mid-range theories of the pacific effects of democratic regimes. As far as the concept of transformation is concerned the literature was found to either ignore the issue, as mid-range theories tend to do, oppose it as “realism” does, or present crude explanations and conceptualizations, as the economic transformation thesis does. Almost none of the works reviewed connected transformation concepts to major power managerial cooperation, instead focusing on only one or the other. The only one to make an overt connection was the work of a historian. The main causes of this situation is the temporal bias of the field, focused on the post-1816 era, a dislike for systemic thinking by the largely fertile mid-range theorists, or the making of unjustified assumptions about transformations or major power behavior.

That said these past works can provide a rich fertile soil for a better explanation of the connection between system transformation and major power managerial coordination. Important is their documentation of the pacific effects of cooperative major power behavior, conceptualization of transformations and the role of regimes in them, and the correct expectation that transformations are connected with domestic political concerns and how domestic power structures are affected by international events.

What my project adds to the past literature is an empirical test of a transformation episode, the change from a war-inducing 1715-1815 system to the peace-inducing 1816-2001 system, a discussion of transformation maintenance, and explicit connection of the transformation to major power managerial coordination, and an explanation of the causes of major power managerial coordination.

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# CHAPTER 3: THE EXPLANATION

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## INTRODUCTION

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The goal of this project is to show that major power managerial coordination was an innovative regime that transformed the European core of the modern international political system from war-inducing to peace inducing, and how that impacted the dynamics of military conflict in the broader system that followed. Briefly put, major power managerial coordination is the attempt of the major powers through various policies and formal and informal institutions to coordinate their foreign policy in order to facilitate the cooperative and pacific resolution of international issues. I will expand on this definition later in this chapter, after I explain why we should expect this regime to have this effect.

However, to make sense of the explanation I need to conceptualize the term international political system, how it is different from previous conceptualizations of the system, and why this conceptualization is superior. Once I have made our case for that element of the explanation the next phase is to move on to the explanation of what war-inducing and peace-inducing system mean. With those concepts articulated the idea of transformation and on how the regime of major power managerial coordination can affect a transformation can be tackled. Finally, I can attempt to answer the question of how the regime comes about.

The chapter is set up as follows. I begin by defining the concept of international system, and explaining how it differs with previous conceptualizations. I then discuss the concepts of war-inducing and peace-inducing regimes within a system. After that I develop the idea of transformation as the creation of regimes of the one type or the other, and replacement of prior regimes of one type by regimes of the other. Following this discussion I present the concept of major power managerial coordination, explain why I expect it to have fostering effect for peace, and explain the direct and indirect mechanisms

through which that effect takes place. After that I describe how the major powers come to engage in managerial coordination. I finish the chapter by providing theoretical propositions.

## THE “SYSTEM”

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In this project the international political system is conceptualized as the regimes that a set of polities use in order to resolve any disputes that arise from their interaction (on the term international political system see Buzan and Little 2000:73,93-95). Let us unpack the elements of this definition. There are polities, organized groups of individuals that adhere to a set of rules and norms to resolve any issues that rise from their relations (Mansbach and Vasquez 1981:58-59). I assume that the goal of polities is to facilitate the pursuit of satisfaction of the stakes that their members have in social issues created under a condition of scarcity. International relations are the result of the attempt of polities to satisfy stakes on issues that are created by cross border social interaction (Braumoeller 2012). However, just the existence of polities, issues, and interactions do not constitute a system.

That interactive behavior becomes a system only when it becomes regularized and takes place in a context of regimes. Consequently it is the regimes, or lack of, which provides the tangible essence of a system (Krasner 1982,1983). That said, I do not focus on only one regime as constitutive of a system as Waltz does with the presence or absence of sovereignty (Waltz 1979). Instead I follow Bull's conceptualization of a system as made up of many regimes (Bull 1977). The consequence of this is that one has a more diverse set of systems possible than just hierarchical and anarchic depending on the regimes one focuses on. In this project the difference is between war-inducing systems and peace-inducing systems, with the former being characterized by regimes that promote the use of military force,

and the latter by regimes that restrict military force and provide alternatives. Thus a peace-inducing anarchical system will see different behavior of the constituent members than a war inducing one.<sup>15</sup>

Why are regimes crucial for the existence of a system? Without regimes that permit the accumulation of experience about behaviors, interactions lack the element of learning and future expectations that permits the *tit for tat* basis of cooperation (Axelrod 1984). Without learning, the ability to use past experience in order to predict and mold future activity, a system cannot exist. While learning can take place in the absence of regimes, such learning may fall prey to the passing of the generation that had immediate knowledge of an event. Regimes permit a system to survive beyond the first generation. The weight of the past on social interaction, crystallized in rules and norms of behavior, permits the expectation of future interaction (Pahre 1994). In another name there can be no system without behavior that takes place according to norms and regimes which themselves are historically constituted. A system is these regularized modes of behavior.

This behavioral conceptualization of the system is not novel in the study of international relations (see Deutsch 1969; Bull 1977; Adler and Bennett 1998). That said, it must be stressed that the behavioral aspect of the system is the result of the activity of the polities that partake in it, and not of the pressures of the environment, contra simplistic renditions of Waltzian realism (Waltz 1979, 1993). The idea that a system causes the behavior of states to take a certain form is due to the conflation in realist writing of two different things, the environment and the system. I must stress again that as Dinna Zinne's points out an environment is not the same thing as a system (a point reiterated by Braumoeller 2012). A system is a set of behaviors in reaction to an environment, in another name it is a malleable concept. The environment on the other hand is not as malleable because some elements never change, like geography, and others

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<sup>15</sup> Waltz also distinguished system according to polarity, because he expected different polarity configurations to lead to different state behavior. This is not a good basis for differentiating systems because the effects of polarity on state behavior are conditioned by other regimes that are not composite characteristics, as noted in Chapter 2. It is those intervening regimes that condition what behaviors will result from polarity rather than polarity in and itself. Depending of the regimes present two multipolar systems can be very different, as can be seen by a comparison between the Vienna System and the 1850-1914 system.

change more slowly, like population. To conflate one with the other is to conflate changes in populations with arms races. Changes in the environment may or may not lead to changes in the system.

Realist authors sometimes conflate anarchy, which according to the materialistic description that Waltz gives can only be seen as an environment, with the regime of sovereignty. That an environment may be more conducive to some regimes that states come up with in order to manage their interactions is not the same as to say that the environment forces states to choose a specific regime. There are always alternatives that were not taken for reasons that are not always tied to environmental factors or alternatives that may be invented. While the environment may condition regimes, it does not eliminate the space of state action in creating regimes.

As a result the environment plays a logically lesser role in defining state behavior than the human beings that make up states since it is their inventions that become regimes. As Wendt pointed, anarchy is what states make of it. Conflating a system of regimes with the environment, as the concept of an anarchical system does, hides the question of why states would create such norms and adhere to them (Alker 1996). And this question is important because it turns over its head the whole idea that systems determine the behavior of states. It does, but only in the sense that if you want to be in the system (or have no choice because others have made you part of it), you have to play by the rules. But the system itself is a creation of states in reaction to their environment, a creation most of the times chosen over other alternatives. This is at the center of Braumoeller's concept of *reciprocity* (2012).

Furthermore, the idea of the system as a set of regimes that guide participant behavior raises questions about the idea that a characterization of a system can be reduced to just some of those regimes and norms. Systems are not exclusively built for enmity, rivalry, or friendship as Wendt claims (1999). On the contrary a system has regimes that guide all of these relationships. Consequently, isolating just one set of regimes and declaring them as the system is a failure to see that international relations are a

multifaceted subject. It also hides the connection between the creation of one set of regimes and norms, say those guiding enmity relations, and others, those guiding the transformation from enemy to friend.

Boundaries exist in that specific regimes address specific issues and one will want to focus on those regimes when looking on those regimes, but it would be wrong to conflate the part with the whole. What is important is too make sure that regimes out-side the specific focus of a study do not play a role in the effect of the issue-specific regimes.

Focusing on trying to find the general character of a system without focusing on regimes is not going to be fruitful. A system's character, the general patterns of behavior exhibited by its members over a long period, is not the result of the ideas states hold about the system but of the regimes states, usually with those richer in capabilities in the forefront, decide are viable as useful tools to resolve issues. It is not the result of random chance but of conscious effort on the part of states to create regimes and norms that foster various behaviors they think facilitate a happy resolution of issues.

Consequently if we are seeking to answer the question of how a system conditions the behavior of states in resolving issues, the question we want to ask is what are the regimes and norms of the system for guiding said behavior. What we should look at is what kind of behavior does the combination of regimes about a set of issues foster among states. When focusing on the use of military force, regimes can be war-inducing and peace-inducing. The same system may have combinations present of both types of regimes and only a careful analysis of the regimes and the norms of a system will tell us what behaviors will predominate.

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## WAR-INDUCING AND PEACE-INDUCING REGIMES IN SYSTEMS

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Instead of characterizing international political systems as anarchic, post-sovereignty, Hobbesian, Lockean, or Kantian, it may be more fruitful to admit that the regimes and norms of a system can serve

different and indeed contradictory purposes. Rather than being able to nail down the “character” of a system, scholars and analysts may be better served by looking at how various regimes foster or mitigate specific behaviors in the social interaction of states.

When it comes to the question of interstate warfare the regimes that make up a system can foster warfare, or mitigate the occurrence of warfare among states. Regimes are not just meaningless rituals. Instead they are the accumulated repository of the experience of sustained social interaction by a number of states and constitute the corpus of solutions to past problems (Randle 1987). Regimes permit states to decrease the problems associated with private information (Fearon 1995, 1998; Levontoglu & Tarar 2008). Certain regimes and norms are tied to certain goals and when a state enacts an activity guided by that regime or norm, or prescribed by that regime or norm it sheds some light on its goal. For example, if a state exits the non-proliferation regime it provides a signal that it has goals concerning nuclear proliferation that are not in accordance with the pacific character of the regime.

Regimes may provide some protection to states from the negative consequences of an action when the action is guided by such a regime or norm. Alternatively, they may entail severe consequences if the action contravenes the norm. For example, 18<sup>th</sup> century states that entered war as auxiliaries of belligerents had a measure of guarantee against any territorial claims against them in the case of defeat. On the other hand the ability of the UN to coordinate sanctions against a state violating the injunction against aggressive war, as happened with Iraq’s invasion of Kuwait in 1991, has made some states very leery of engaging in brazen aggression, instead preferring the use of military intensity at a lower level or when the political situation is murky, as is the case of Turkey’s intervention against Kurdish insurgents in northern Iraq.

To understand the role norms and regimes play in fostering the behaviors of states, we need only consider the difficulty states have in innovating new regimes and norms. Except if the innovative action is in the form of a very clear signal, or supported by very influential or powerful states, the possible reaction



of states to this “radical” activity will be to try and interpret it according to system norms, which in turn will lead to a break of communication. This is partly the reason why the failed innovators will in time give up their radical scheme, like the French National Assembly did with the “Liberation of Nations” law, and the USSR did with its “proletarian revolution export” policy in the pre-Stalin era.

Multiple regimes can also provide states with multiple options for addressing issues (Raymond 2000). This permits a more flexible management of interstate issues that can lead to the avoidance of the use of force. Consider the options two states have for resolving territorial issues in the 21<sup>st</sup> century. They could use the regimes of military coercion, engaging in military threats and actions under the level of war. They could go to war. They could make public appeals to the principles of national independence, territorial sovereignty, or other principles. They could go to court, ask for UN assistance, work through a local organization to resolve the issue, or create an international guaranteed regime for managing the territory (like the Aland Islands). Indeed they could do all of these or a mix of these. Compare this to the options that states had in the 18<sup>th</sup> century for resolving territorial issues. They could attempt a swap of territory via diplomatic means, they could attempt to use military action to force another state to compensate one of the two sides for giving up its claims to territory, or they could fight each other. Compared to the rich tapestry of options and alternatives that states have today, the 18<sup>th</sup> century looks poor and dependent on force.

If we focus on the question of war, what would a system that is predominantly war-inducing, a system where most regimes exist to facilitate the use of force, look like? A war-inducing system would be characterized by two elements, norms and regimes that facilitate war and an absence of true alternatives to war. If we take the rationalist explanation for war these norms and regimes would primarily decrease the costs of war for the participants (Jervis 1988; Fearon 1995,1998; Powell 2006). This can be done either by limiting the costs of the actual fighting, or limiting the costs that can be incurred by defeat. The norms and regimes could also create an environment that fosters misperception about the capability and motivation of the combatants and possible joiners, which can make it hard for states to successfully signal

resolve without the use of force, or interpret those signals in a fruitful way. It also makes it harder to successfully use battles to signal the balance of capabilities once in war since there is the possibility of future external intervention, creating pressures for escalation and diffusion. Both would increase information problems.

Have such norms and regimes existed? In the 18<sup>th</sup> century the layered war regime of the period provided multiple ways for a state to participate in war of which only belligerent status brought major negative consequences in the case of defeat. States could participate as auxiliaries of belligerents, marching their armies to war in the name of allies, but being spared of the *de jure* war status, and the consequent loss of trade or diplomatic relations with opponents. The only constraint was not attacking the enemy on their own or closing their ports and trade to it. More importantly, auxiliaries avoided territorial demands from victors, and could expect to have some of the costs of the war defrayed. The United Kingdom and France in the early phases of the War of Austrian Succession fought as auxiliaries of Hanover and Bavaria.

States could also provide subsidies and “lend” military forces to a belligerent without risking entry into that belligerent’s war. Denmark in the late 17<sup>th</sup> and early 18<sup>th</sup> century was an exemplar of this “lending” of whole regiments. In the 18<sup>th</sup> and 19<sup>th</sup> century the *rebus sic stantibus* legal norm created a fluid alliance system, that always provided a possibility for a losing power to recoup losses by a rapid change in alliances (Vayrnynen 1983). The most celebrated example of this is the defection of Russia from the anti-Prussian camp in the Seven Years War to the Prussian camp when Peter III became tsar, which saved Frederick the Great from defeat. The rulers of Piedmont/Sardinia became something of experts in this rapid change of alliances.<sup>16</sup>

Norms and regimes can fail to provide “true” alternatives to war and violence. According to the territorial steps to war, one of the main factors that foster war is the lack of norms and regimes that

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<sup>16</sup> This is the legal norm that a treaty can be considered void if the context under which it was created changed. The opposite is *pacta sunt servanda*, which means that the written word stands.

provide states with alternatives to war for managing territorial disputes (Vasquez 1993; Hensel 2001; Senese and Vasquez 2008; Hensel et al 2009). Lacking such alternatives, states become mired in the norms and regimes of war, like alliances, crisis initiation, and ultimately war itself. A system may seem to have alternatives but many times careful analysis shows them to be false hopes or abettors of war.

Consider one of the main supposed alternatives to war for the resolution of territorial disputes in the 18<sup>th</sup> century; the compensation regime. The idea was that a territorial dispute would be resolved by swapping the rights and stakes of one of the disputants for rights and stakes in another area, many times over territory of other states. At first glance this seems as a good alternative to war. However, the swaps many times were the result of militarized disputes between the competing states (the First Partition of Poland) and would require military pressure applied to the state whose territory would be used in the swap (Venice, and Poland were such victims).

Even more dangerous was the way territorial compensation regimes would link issues, making impossible an issue by issue diplomatic resolution (Schroeder 1994; Lohmann 1997). This was the result of third parties demanding compensation for tolerating the initial bilateral compensations agreement. Consequently, from beyond just having to resolve their own issue the powers seeking a solution on the compensation regime found themselves embroiled in the new issues created by the demand of third parties for offering in order to tolerate their compensation. Such issue linkages fed alliances and ultimately interstate war. An example of this is the Crimean war in the 19<sup>th</sup> century when French threats to seek compensation in Belgium for Russian gains in the Near East partly led to the British attitude that would lead to war. Indeed it is interesting to note that the retreat of the Congress system in the later 1850s, and the wars of the mid and later 19<sup>th</sup> century were accompanied by repeated attempts, primarily by Napoleon III, of states to revive the compensation regime.

Equally damaging was the lack of norms supporting mediation, legal adjudication, fact-finding, and other non-forceful approaches to dispute resolution. That instances of such activity existed is without

a doubt, for example the Spanish-French resolution of the Andorra question. But it never succeeded in becoming a regime. Mediators were many times either weak state actors (the Papal State), or non-state actors (the Reich) which had little leverage with the disputing parties. Third party intervention to promote the peaceful resolution of a dispute by powerful allies would be more successful but invariably created demands for compensation, as the case of French involvement in Anglo-Spanish conflicts in the 18<sup>th</sup> century, and during the peace of Amiens shows. There were no international legal bodies to resolve issues submitted to them, and private arbitration attempts were never expanded beyond the management of the spoils of naval warfare.

The above discussion should give a good understanding of what regimes would populate a war-inducing system. What about a peace inducing system? A peace-inducing system will have norms and regimes that raise the cost of war or provide alternatives to war as a way to manage issues. If we take the rationalist explanation for war, peace inducing regimes would decrease the shadow of the future, reveal private information, and increase the cost of war.

Some of these regimes are unique to the 20<sup>th</sup> century and not necessarily of decisive effect. An example of this is the 20<sup>th</sup> century law of war, and war crime regime. By conceptualizing clearly what acts in war contravene the regime, and establishing a regime to prosecute those who break the acts, the cost of war is increased. While only defeated parties tend to be prosecuted under the regime one must keep in mind that only the most lopsided of conflicts provide insurance to political leaders against prosecution. That leaders may consider this as important is indicated by the strenuous attempts of states to not present themselves as aggressors even in cases where the leadership enjoys domestic support for an aggressive war, for example the initiation of Attila B during the Cyprus crisis by the Turkish state.

More effective is the dominance of the *pacta sunt servanda* regime in the alliance systems. In the Cold War period its dominance decreased the “fog of war” that was created in the 18<sup>th</sup> century by the possibility of rapid alliance changes (Kegley & Raymond 1982; Vayrynen 1983; Leeds & Anac 2005).

Weaker disputants wishing to engage in war inducing behavior on the assumption that opposing alliances will face defections have been let down in the 19<sup>th</sup> and 20<sup>th</sup> century. One could say that this was because smaller states have a smaller impact in the great scheme of things, but first we must remember that political elites did not think that way (ergo the vast expenditure of human lives and resources in Vietnam and Afghanistan during the Cold War), and second the defectors of the 18<sup>th</sup> century, beyond Russia's case, were not always large powers. Consequently one would have to answer the question of why the alliances post-1815 were tighter? There was no miracle of Brandenburg for Adolph Hitler in 1945 as there was for Frederick the Great in 1762.

Another major difference was the greater respect afforded to neutrality in the 19<sup>th</sup> century compared to the 18<sup>th</sup> century. The wars between 1816 and 1914 saw fewer of the brazen violations of neutrality that the 18<sup>th</sup> century saw. Britain violated Danish, Dutch, Russian, Neapolitan, and Prussian neutrality during the War of American Independence and the French Revolutionary and Napoleonic Wars. Prussia violated Polish and Saxon neutrality in the Seven Years War. Russia violated Venetian neutrality in the second Russo-Turkish war of Catherine the Great. France and Prussia violated multiple neutrality declarations during the Napoleonic Wars. In contrast the 19<sup>th</sup> century has little to show in the case of brazen neutrality violations. And if one excludes the two World Wars, neutrality has generally been respected in the 20<sup>th</sup> century. Somewhere in the period the regime of non-belligerent neutrality became part and parcel of state social interaction. The replacement of the layered belligerent regime of the 18<sup>th</sup> century with the belligerent-neutral regime of the 19<sup>th</sup> and 20<sup>th</sup> century forced states to consider very carefully if they would join into a war since they could not be considered immune from the consequences of defeat.

If we look at the territorial steps to war as a guide to why war happens, regimes and norms can provide alternatives to war by fostering peace and permitting states to escape the path to war. The war inducing diplomatic system of the 18<sup>th</sup> century centered on the compensation regime has been replaced in the 19<sup>th</sup> and 20<sup>th</sup> century with peaceful alternatives. Such regimes are adjudication, international law, and

third party mediation by both states and intergovernmental organizations (Hensel & Brochman 2009; Hansen *et al* 2008; Mitchell 2002; Hensel 2001; Mattli 2001; Zacher 2001; Russett *et al* 1998). None of these alternatives required the use of military force to coerce third parties to provide the territory that would be swapped for peace, as was the norm in the 18<sup>th</sup> century. Also, the conflict management and conflict resolution regimes of the modern international political system excel in disentangling issues and thus decreasing the chance of multilateral wars.

Peace inducing and war inducing regimes can coexist in a system. Nevertheless, a system could have more regimes of one type rather than the other or key regimes that make it more likely to lead states to prefer one set over the other. The creation of new regimes of one type or the other, the innovation of key regimes, or the obsolescence of old regimes can lead to the transformation of the international political system from a predominantly war-inducing to peace-inducing system or the reverse. We shall now discuss the idea of transformation.

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## TRANSFORMATIONS

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Three broad concepts of transformation can be delineated in the thinking of scholars of international relations. First, is the idea that the system transforms when the capability distribution between states, especially among the more powerful states, changes. This concept has taken its clearest form in the idea that the number of the major powers in the system corresponds to different behavior by states, most forcefully advocated by structural realists (Waltz 1979; Wohlforth 1999, 2012; Monteiro 2011/2012; Layne 2012). Thus the unipolar (one dominant power), bipolar (two powers) and multipolar (many powers) systems are different from each other with different paths to war, and radically different challenges to peace. For other realists the only real transformation of the system is one from an anarchical system (one of many sovereign states) to a hierarchical system (one of a dominant sovereign polity) (Mearsheimer 1994/1995, 2003; Gray 1999).

Both of these are not useful as concepts of transformation. The change in the number of major powers may have an impact on some paths to war and peace but it does not necessarily mean that the behavior of states will change. The fact that war outcomes may change depending on polarity is not the same as a change in the incidence of war, though as I explain later destructive wars may help bring about the change in ideas and behaviors by states that may lead to peace-inducing regimes. Only if the new power structure leads to new behaviors concerning the onset of the use of military force can we speak of a transformation from a war-inducing system to peace-inducing system (Gilpin 1981; Braumoeller 2012). That such a change will be fostered by the new powers is not predetermined, but a question of choice. They may be content with the old rules of the system and just make some adjustment rather than a wholesale transformation. Only through careful study of the behaviors the new powers foster and sanction can one really say if a transformation is happening or not.

To put it in clear terms, whether unipolarity, bipolarity or multipolarity constitute different systems is an empirical, not theoretical question based on the behavior of states which can be better ascertained by looking at regimes states created to guide their social interaction. Polarity transformation may transform the system if it leads to new regimes that indicate a change in the behavior of states.

The anarchy to hierarchy idea has been masterfully attacked by Ashley and Alker in the past and there is little that the author needs to add (Ashley 1983, 1984; Alker 1996). The problem of this concept is its paucity. It is correct as far as it focuses on the general principles that guide state interaction, anarchy or hierarchy, but it is too abstract to be useful for explaining international relations. Anarchy and hierarchy encompass a net of regimes that in different configurations may induce quite different behaviors by states or polities that share the same overarching principle of social organization. One must unpack what anarchy or hierarchy means each time in order to be able to locate real transformation.

In the previous chapter I discussed Randle's idea that a system transforms when the issues at stake around which state behavior revolves change. As noted before, this is not necessary the case. As

long as old regimes can accommodate new issues, states do not need to create new regimes to guide novel behavior, or to address novel issues. Since I am interested in the behavior of states, a change in issues will only bring a behavioral change if new behaviors are exhibited in pursuit of this issue, and those behaviors become institutionalized in regimes. A transformation can happen when new regimes are added to pre-existing ones, or with the wholesale replacement of old regimes by new. Both cases are transformations but of different magnitude. A cornucopia of choices may transform behavior as much as a change in the nature of a narrow set of choices.

A soft transformation happens when a set of new regimes are added to the corpus of existing regimes without replacing them. In this case all that happens is that states create new regimes to accommodate novel behavior, but these are seen as alternatives, and not replacements for older regimes. Since older regimes are not replaced this type of transformation should be easy and might just require a sufficient number of states taking up the behavior for it to become an established one. States invested in the older regimes have nothing to lose and are probably not going to resist a change. An example of this is the addition of third party arbitration as a conflict management regime to bilateral bargaining in the 19<sup>th</sup> century. For example the 1890s Treaty between Chile and Argentina over their territorial dispute included a clause for taking any issue to arbitration by the British Crown or the US President. Both regimes coexist without one making the other obsolete.

The fact that this is “soft” should not blind the reader to thinking the status quo has remained the same. Instead while elements of the status quo are left alone, and the perception may be that the status quo did not change, the new regimes may gradually shift behavior. An example of this is the creation of the Red Cross and its impact on the regime of war. The Red Cross was tolerated by states only because they saw it as not altering the status quo. It was not seen as changing war, or a radical change. Yet by 1870 the existence of the Red Cross had radically altered belligerent behavior forcing armies to take logistical measures to take care of prisoners of war.



A hard transformation happens when the set of new regimes are put forward as explicit replacements of old regimes. In this case the new behavior is explicitly radical and opposed to older modes of behavior, and thus against established regimes. Because the new regimes are proposed in opposition and as replacements, rather than as alternatives of old regimes, they are bound to become issues of conflict between radical and traditionalist states. It must always be kept in mind that norms and regimes rise because they provide a functional solution to an issue that had increasingly under-performing past solutions. Even if the issue is resolved and the regimes survive as relics, states are notoriously resistant to the loss of once useful regimes. Consequently, hard transformations require the support of powerful states that can overcome resistance and impose the new regimes. An example of a hard transformation was the replacement of the 19th century norm of use of military force to coerce states to repay defaulted loans by adjudication in the 20<sup>th</sup> century (Finnemore 1996).

Consequently we can see that a war-inducing system can become peace-inducing and the reverse either by the accumulation of many soft transformations, or by powerful hard transformations. The transformation which this project is centered on, that brought about by the regime of major power managerial coordination, was a case of hard transformation. The regime replaced a number of preexisting regimes, even as it left others alone. Exactly because it was a hard transformation, it was also an act that required major power coordination and a dominant preference for change. I shall now look more closely at what this regime entailed, what it replaced and why it is peace inducing.

## MAJOR POWER MANAGERIAL COORDINATION

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In this section I will discuss major power managerial coordination, what it is and what it does to make international relations more pacific. Before that I am going to explaining why I have used the word coordination instead of cooperation in this text.

Most of the researchers focusing on the possible pacific effects of major power behavior use the term cooperation to denote behavior that is pacific. I think that using that term may be premature and raises the specter of tautology. Cooperation usually is the upper level result of a lower level process in which parties try to align their preferences and coordinate their actions. Cooperation is the result of successful coordination, not the process itself. Cooperation entails that the coordination of parties has reached such a level that some very serious issues of trust and confidence have been resolved. To put it simply the word cooperation entails a level of trust and confidence that already makes conflict extremely unlikely.

Coordination on the other hand indicates a process that may or may not lead to cooperation. The attempt by parties to align preferences and make their activity mutually acceptable does no guarantee a cooperative result. One needs not look further than the failure of the negotiations during the Crimean Crisis before the Crimean War or the July Crisis before World War 1, and the current worsening situation in East Asian waters. However if cooperation is to be had, there must first be coordination. Essentially, I am making the case that attempts by the major powers to coordinate on a managerial basis should have a pacific effect on international relations, even if that coordination does not always lead to cooperation. Cooperation is the result of coordination, not the same act. It is a mistake to look at major power cooperation as cause of peace because major power cooperation already entails that the powers are in a condition of peace. Coordination because it can fail is a much more interesting concept, and much more fruitful as a possible correlate of peace. This is why I use the term coordination.

This is a different use of the words than the one in the formal theory literature. In most formal theory literature coordination and cooperation are not necessarily tied. Coordination is a process for revealing intentions, while cooperation is a process for creating surplus. There are multiple processes or “games” that can lead to cooperation (for an example of this discussion see Lisa L. Martin, 1992). Indeed coordination need not be of a form that has the goal of helping players reach an agreement. The idea of adversarial or antagonistic coordination in this dissertation does reflect that use of the word. But the

connection between coordination and cooperation in the form of a process towards a possible goal diverts from the use of the concepts and terms in formal theory.

What does major power coordination look like? The regime of major power managerial coordination entails a certain type of behavior by major powers. This behavior is made up of the elements of consultation, multilateralism, and the avoidance of antagonistic coordination by major powers. The primary goal of the regime is to help the major powers avoid major power war. However, because major powers can end up in war between themselves due to intervention in minor power conflicts, the regime also aims to manage minor power conflicts with the goal of either pacifying them or isolating them from the major powers, and thus inhibiting a diffusion of the conflict. This does mean that a coordination regime will not succeed in producing cooperation and reducing conflict when some of the major powers are primarily driven by goals that threaten the existence or security of other major powers. In realist terms it requires at least the majority of major powers to prefer the “status quo”, or not to prefer military force as a tool for bringing change to the status quo (Glaser 1994/5).<sup>17</sup> Later I provide a story of how the majority of major powers can prefer the “status quo” due to recent historical events. This in turn gives coordination for cooperation a chance to work.

Consultation is the effort of the major powers to reveal private information to each other not through costly military signaling, but by regular diplomatic interaction and exchange of ideas. The idea of consultation is that major powers expect to and regularly consult with each other in order to reveal private information and understand each other’s preferences on an issue. The regular character of consultation decreases the incentives for lying, as it can adversely affect future consultation or lead to termination of the process. The expectation of consultation forces major powers to divulge something if they value consultation and brands a refusal to partake into it as a signal of rogue preferences. An example of a consultation was the Congress of Vienna system.

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<sup>17</sup> A coordination system will not succeed in producing cooperation for long between major powers whose primary goal is to harm other major powers. Franco-German and Austro-Russian enmity undermined the success of the considerable coordination attempts during the Bismarckian era of European politics.

Because private information can feed escalation, major powers that engage in consultation will have an incentive to stick to it. It is not necessary that major powers tell all if even the revelation of some private information changes the marginal possibility of war. A *tit for tat* in consultation can be the basis for a *tit for tat* in pacific conflict management (Axelrod 1984). One attractive element of a consultation regime is that because major powers are smaller in number than the total number of states it is easier for them to initiate such a regime even in an international environment that is adverse to coordination. As Barry Steiner found major powers try to carefully manage their interactions even if they know any agreement is temporary (1993:193)

Regularized consultation is part of a major power managerial coordination regime, and we should expect it to be the most common form of major power coordination. Nonetheless, there is a limit to how pacific a system can become if major powers still prefer to act unilaterally. Unilateralism still leaves an opening for misunderstanding, betrayal, and un-anticipated action. Furthermore, the pacific management of linked issues is hard by unilateral means due to the number of actors involved. Escalation is still a possible result, especially if events move faster than a consultation regime can keep up with, since it is easier for minor and major powers to take unilateral action than to coordinate to an agreed plan for the management of the issue. This was the case with the unilateral actions of the three major powers caught in the Crimean Crisis and the Vienna System. While the powers talked and then acted, after a point the action-reaction “game” became so rapid that diplomacy could not catch up.

A preference for multilateralism is the second element of major power managerial coordination and the result of consultation. This preference entails that major powers coordinate their activity to resolve issues in a way that avoids the possibility of major power military conflict. It does not necessarily mean that all powers act at the same time, but that all powers act according to an agreed plan and avoid any abrupt unilateral change to the plan. Such an element is required for the launching of multilateral interventions in order to manage outstanding issue of international politics. James Richardson noted in his comparative case study of crisis diplomacy that whenever the major European states coordinated their

policy, war was almost always averted (1994:228-230). An example of major power multilateralism was the Quadruple Alliance of 1818 to 1822.

It should be noted that the use of the term here is different from the usual use of the term in international relations which refers to a preference for using multilateral institutions to resolve issues. In a sense my use is in the spirit of that concept, as I use the term for the element of managerial coordination that create the institutions that have a specific role in engaging in multilateral activity. Managerial alliances like the quadruple alliance have a specific multilateral activity agenda, while consultation regimes like the Congress System are more targeted towards helping the major powers decide how to deal with an issue. This might be through a multilateral institution like the Quadruple alliance, or it may be through a decision to tolerate unilateral activity, as was the case with Austrian intervention in Naples in the 1820s. This is why I co-opted the term for this concept, so that I differentiate with technically multilateral institutions that are not though created to engage in multilateral activity.

The logical result of a strong consultation and multilateralism regime is the prescription of antagonistic unilateral action by states and especially of major power antagonistic coordination.<sup>18</sup> Because coordination is not cooperation the coexistence of coordination activity that seeks to result in managerial cooperation with coordination activity that seeks to make gains in antagonism can be toxic. The pacific gains towards cooperation by consultation and multilateralism are undermined by the fear of a subset of major powers, or combinations of major powers and minor powers engaging in unilateral activity. While such a possibility always exists the evident coordination of states around antagonistic lines negates any gains from managerial coordination. As a result major powers that are investing in multilateralism and consultation have an incentive, in order to not see their investments nullified, to put restrictions on the overt expression of antagonism.

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<sup>18</sup> The term “unilateral” is used here in the sense of an action by one or more states that is done against the norms of consultation and multilateralism, and not necessarily in the sense of an action by one state.

This may take the form of avoiding adversarial alliances, in which major powers ally to target other major powers or the avoidance of other types of unilateral behavior by major powers. A managerial coordination system cannot function without this element because the possibility of states taking antagonistic unilateral action that could upturn an ongoing multilateral project, or undermine the results of that project may negatively affect the willingness of major powers to engage in a multilateral project. An example of the major powers strenuously trying to present a unified front and discourage unilateral activity was during the confrontations with Greece and the Ottoman Empire over the Cretan issue in the 1880-1900 period.

How bad can antagonistic unilateralism undermine the gains from consultation and multilateralism? Antagonistic unilateralism fosters brinkmanship in crises, the pursuit of *fait accompli*, and diminishes bargaining ranges making escalation and military conflict the dominant strategy available. For other disputes, major powers acting unilaterally can support in diplomatic or material terms the escalation of state behavior to military conflict in order to overpower an opponent rather than to compromise. In turn those opponents will have to seek out major power patrons to counter their worse situation. The presence of major power allies in a dispute is associated with its escalation to war. Additionally, domestic groups that are opposed to the pacific resolutions of disputes can use major power interveners to upset any peace process. Moreover, the shadow of possible unilateral major power intervention can make states unwilling to commit to a serious peace process due to uncertainty about its stability in the face of third party spoilage.

Finally, major powers in disputes with each other can use their surplus military capability in order to bring minor power allies into the dispute leading to dispute clusters prone to igniting multilateral wars. For any system to be peace inducing, unilateralism must be restrained. An example of the negative consequences of rampant antagonistic unilateralism is the violent resolution of the Balkan issues in the 1900-1912 period, compared to the more pacific resolution of the Franco-Belgian issues of the 1830s and 1840s when the major powers were more cooperative.

## HOW DOES MANAGERIAL COORDINATION FOSTER PEACE?

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The consultative and multilateral character of major power managerial coordination provides incentives for the pacific resolution of symmetrical, and asymmetrical state dyad disputes. It also mitigates the negative effects of antagonistic unilateralism, acting as a restraint. The end result is the pacification of international relations by two mechanisms I have hinted at but have not explicitly named. These are denial and discouragement.

Denial involves the major powers refusing to provide each other or minor powers the diplomatic and material support that could make military conflict a viable policy. This can range from acts as simple as refusing to veto a Security Council decision inimical to the state in question, to a refusal to provide military assistance to an ally that wishes to go to war as France did twice in the 1770s with Spain during Anglo-Spanish disputes. For most states, engaging in interstate military conflict is a costly and risky endeavor and the unwillingness of a major power patron to assist may make it prohibitive. A managerial coordination system that has a pacific effect should be associated with a decrease in the support of major powers for unilateral major power and minor power behavior.

Discouragement works in different way. Discouragement entails the major powers creating an environment where states engaging in unilateral activity can expect to be censured or punished for that activity. The avoidance by major powers of antagonistic coordination and their commitment to managerial coordination may discourage states from unilateral activity just because states may want to avoid a policy avoided by system leaders. More importantly there are many policies that major powers engaged in managerial coordination can take that will discourage unilateral activity from other states. At the more extreme level of activity, major powers could initiate a managerial intervention in which they collectively engage in military action to stop a state from initiating a military conflict or to force it to terminate it. This was the fate of Iraq's attempt in 1997 to end the UN nuclear weapons inspection system,

when the UN SC authorized US-UK military treats to Iraq to comply. Such interventions may discourage bystanders from replicating the behavior that brought about the major power activity due to fear of receiving the same treatment.

Another option the major powers have is that of intervening to negate the consequences of a victory from a unilateral action. In this case the major powers intervene after the fact in order to deny the offending power the fruits of its military activity. This discourages military activity because even if a state wins there is no guarantee the victory will bring in the benefits the state thought when it embarked on military conflict. Such cases are the intervention of the major powers after the 1897 Ottoman victory over Greece, the Triple Intervention after the 1895 Japanese victory over the Qing Chinese Empire, and of course the Kuwait Gulf War. Lastly, major powers can guarantee peace agreements and discourage attempts to revise them unilaterally. That makes peace agreements more robust, as the dissatisfied side may be less willing to break them.

Let us now consider how major power managerial coordination fosters peace in the context of the rationalist explanation of war, and the territorial steps to war. As far as the rationalist explanation for war, the dampening of third party spoilage due to major power intervention, or the possibility of major power intervention helps increase the shadow of the future for bargains between disputants. It also reduces the commitment problem created by the possibility of external influences changing the facts on the ground that helped a bargain being reached. This means that the parties of a bargain can be sure that any bargain will be observed for a significant amount of time. That said, major power intervention is not the only way to change those facts, as many other states can find the resources to assist disputants (for example Iran and Saudi Arabia in Syria.).

Furthermore, the expectation that a bargain will be robust in the future may make it harder for the disputants to reach it as this creates incentives to escalate their activity in trying to force a bargain on their opponent (Axelrod 1984; Fearon 1998; Powell 2006). Because they expect the status-quo reflected in any



bargain to last for a significant period of time due to the protection of the major powers, the disputants have a powerful incentive to refuse to bargain until they are sure that the facts on the ground are as close to their ideal position as possible. This creates a contradictory effect in which managerial coordination assured the robustness of peace agreements, but makes it harder to reach them.

In response to this I argue that the conflict-dampening activity of the coordinating major powers is sufficiently strong to overcome the contradiction. Even if it becomes harder for the minor powers to reach a bargain due to the long shadow of the future, the major powers when engaged in managerial coordination will not permit them to use force, out of fear that this may spread to their own interactions and increase the possibility of major power war.

The major power managerial coordination regime mitigates these two possibilities as follows. Spoilage by third party minor powers is rendered a dangerous policy by the clear communication of major power preferences through participation in a managerial coordination regime. In pursuit of the stability of the major power managerial regime the major powers will actively promote its elements of multilateralism, consultation, and avoidance of antagonistic action towards minor states. This is because they wish to minimize the possibility that minor state action may lead to a major power dispute. This can happen as the action of a minor power ally or client of a major power may force another major power's ally to intervene, thus linking the two major powers in a conflict of which they were not initial or even direct participants. Consequently the major powers will be adverse to permitting minor powers to follow the opportunistic behavior prescribed by the regime.

A long shadow of the future creates escalatory pressures due to the fact that states can expect that any result of their bargaining will be hard to change due to major power managerial activity. This increases their willingness to fight now in order to increase their gains in any subsequent bargain. These escalatory pressures are moderated by the limited capabilities minor powers have in persecuting increasingly escalatory policies or war without major power support or third party support, which is

restrained by managerial coordination. While it is true that minor states can provide material, funds, and political support to disputants, just like major powers can, if the disputants fear a major power intervention the support of such minor powers is dwarfed by the far superior capabilities of the major powers.

Weaker disputants also have an incentive to request major power managerial intervention in order to gain a bargain that will not be solely determined by the distribution of military capability between the two disputing states. This may lead them to try and comply with the behaviors required by the major power managerial regime in order to paint themselves as “exemplary” system members facing pariahs. Indeed even the stronger side has an incentive to try and gain a moderate bargain rather than pursue escalation with the goal of imposing a maximalist resolution. This is because an escalatory pattern of activity may bring the major powers into managing the conflict in order to avoid diffusion to neighboring states or the possibility of unilateral major power intervention. In this case any result will probably reflect more major power interests rather than disputant interests.

From the view of the territorial steps to war, major power managerial coordination fosters peace by providing a possible credible alternative to war for managing and resolving a dispute in the form of major power coordinated mediation.<sup>19</sup> The alternative is credible because the cooperative character of the mediation mitigates the possibility of future unilateral action by major powers to upend a pacific agreement. Also, because their interests were taken into consideration in the management of the issue due to the consultation element the incentive for major power unilateral intervention is mitigated. It is also credible because any groups opposed to the management or settlement must avoid overt and radical challenges to the solution brokered by the united major powers. Alternatively they can wait for the united

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<sup>19</sup> The steps to war is conceptual model for explain war developed by John Vasquez and Paul Senese. The main components are issues and policies and the argument is that states do not go to war from peace immediately but are drawn to war as specific military policies are used to resolve specific issues that tend to be harder to resolve pacifically. It is a multi-causal concept of the causes of war. (Senese and Vasquez 2008).

major power front to break, a process that may take time adding to the longevity of an agreement and reinforcing its “stickiness”.

Major power managerial coordination also undermines two points on the steps to war due to the denial mechanism, arms races and adversarial alliances (Singer and Small 1966; Siverson and King 1980; Leeds 2005; Senese and Vasquez 2008; Wallace 1982; Diehl 1983; Sample 1997, 1998; Diehl and Crescenzi 1998; Glaser 2004; Rider et al 2011). Arms races are undermined because it is harder for minor states to engage in them without outside financial support which is less likely in a major power managerial coordination regime for the reasons explained in the part referring to the rationalist explanations of war. Their link to conflict is also undermined because escalatory measures in reaction to arms races are less likely to be taken due to the threat of major power managerial intervention. Arms races that get detached from the possibility of war are not as dangerous.

Discussing alliances, the consultation, multilateralism, and avoidance of antagonistic coordination elements of the regime undermine unilateral minor power and major power-minor power alliances. As long as the major powers are signaling their membership in the regime by avoiding antagonistic coordination, minor power-minor power alliances are not worth as much because of their inability to match the capabilities of the united major powers. The danger that alliances pose for dragging major powers into minor power conflicts is mitigated by the consultation element of the regime. This permits major powers to pinpoint dangerous situations and coordinate to resolve an issue without increasing the danger of their allies’ conflicts diffusing to them.

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## THE INDIRECT EFFECTS

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The discussion above concerned the direct ways in which the regime of major power managerial coordination fosters a peace-inducing environment. Realist authors would retort that this only happens as long as the major powers are invested in the regime and that a) they do not have strong incentives to do

so, and b) once they break the regime the system will become war-inducing. The counterargument to this proposition is twofold. I will explain why major powers create and invest in such a regime in the next section. Because of why it is created it is not as easy as some authors would think to overthrow such a regime. Second, the regime has a further pacific influence in the form of other pacific regimes it fosters into existence. In detail, I will explain how major power managerial coordination can indirectly foster a peace inducing system that lasts even after the regime is broken. This is done by fostering the process of democratization within states that is the basis of the dyadic democratic peace, and by permitting the creation of intergovernmental organizations.

The process of democratization is a complex process primarily driven by domestic variables. However an international system that fosters conflict may adversely affect democratization as indicated by the findings of Douglas Gibler on the relationship between the pacific resolution of territorial issues and democratization (2007). First, domestic groups that oppose democratization may seek external supporters against groups promoting democratization. In a system that is conflict prone the scramble for allies, supporters, and for denying gains to opponents creates a ready pool of minor power and major power interveners who will answer such calls. They may intervene to put future allies into power, they may intervene to keep future opponents from gaining power, or just in order to keep a strategically important area in flux. Because major powers are more powerful than minor powers, domestic disputants seeking external support will prefer to gain major power support because of the expectation of a higher probability of success for the endeavor.

History is replete with such cases of domestic groups requesting external major power support in their conflict with forces pushing for democratization. In the 18<sup>th</sup> century the Dutch Orangist party, representing conservative forces in the Dutch Republic sought external forces to support it in its conflict with the domestically more powerful Patriot party that sought reforms that would have made the Dutch political system more democratic. That search culminated in the armed intervention of Prussia against the Patriots after French support for the Patriots defeated a Swedish plan to intervene. Prussia, a major power,

ignored French war threats and destroyed the Patriot movement. In turn the Patriots would come back to power on the bayonets of French revolutionary troops.

A conflict prone system also imposes its demands on the domestic organization of states. War and the threat of war have been found by scholars to adversely affect elements of democratization (Coser 1956; Hutchison & Gibler 2007; Wright 2013). External dangers have led to limits to the freedom of expression and political organization. They have led to centralization which fosters top-down planning and authoritarianism. They have led to the promulgation by states of political ideologies that undermine tolerance of dissent among citizens. For example, the Ottoman Empire committed most of its massacres during eras of external war or expectation of external war. Wars have been accompanied by various rules and statutes in the United States that limited freedom of expression, freedom of movement, or even freedom of the body. The near extinction of democracy in 1930s Europe was associated with the increasing expectation of war due to Soviet, Italian, and German foreign policy. For example the overthrow of the interwar republics in the Baltic States was fueled by expectations of war.

By fostering peace in the international system, major power managerial coordination fosters the process of democratization. The three elements of consultation, multilateralism, and avoidance of antagonistic coordination undermine the propensity of major and minor powers to intervene in support of the losers of a democratization process. While domestic groups may still request the mercy of a major power, the issue created is not one of unilateral intervention but of a managerial intervention. This is enacted by the major powers with the goal of resolving the issue in a way that does not lead to an expansion of the conflict, or major power war. Accordingly, the major powers will either strive to isolate the conflict, or to resolve it pacifically.

Minor power interveners will be unwilling to intervene if they expect coordinated major power activity on the issue. In turn these expectations will pressure the two sides of the domestic conflict to moderate their demands and avoid military conflict. While this process of bargaining under the shadow of

termination if certain actions are taken due to major power intervention will not lead to democracy, it may lead to reforms that foster democratization.

The pacification of international relations also helps avert those demands a state of war makes on domestic political organization that undermine elements of democratization. Centralization, limits on the freedom of expression and other social restrictions are harder to defend, and intolerant propaganda from the state finds a less receptive audience.

It must be stressed that this fostering effect should hold even when part of the major powers in a managerial coordination regime are opponents of democracy, like in 19<sup>th</sup> century Europe. Even if the powers are adverse to the final result of democratization, it is wrong to assume that they will be adverse to specific elements of the democratization process. Major powers in a managerial coordination system wishing to avoid the diffusion risks of internationalized domestic conflict will not be adverse to specific reforms that avert the threat of violence. While democratic major powers will be more willing to bring about such reforms either due to liberal imperialism (Doyle 1983) or class interests (Narinzy 2007), one must not assume that non-democratic major powers will not have an interest in pacifying reforms. If democratic reforms will help avert a domestic destabilization in a key country that may lead to major power antagonism and increase the danger of a great war, then even un-democratic major powers will support such reform as long as they wish to avoid a great power war.

Reforms such as constitutionalism (limits to arbitrary rule), the creation of some representative institutions, and press liberalization have been pursued by authoritarian regimes faced with the danger of civil war or revolution. If the reforms stabilize the regime and avert the threat of war major powers engaged in managerial coordination may support them. What is more, major powers are seldom monolithic in their position towards democratic reforms. Thanks to the three elements of the major power managerial cooperation regime, major power action on this issue will regress to the mean of the major power preferences on this question, which means some reforms that makes democratization more

possible in a future date. As Paul Schroeder pointed out, the legitimist reforms proposed by Alexander I of Russia and championed by Britain and Austria during the Vienna system, such as constitutionalism, a reduction of the power of the church, and press reform, created some of the foundations for the later democratization of European states (1994).

The other indirect pacific effect of major power managerial coordination is that it fosters the creation of intergovernmental organizations that provide alternatives to military conflict for resolving issues. One part of this effect are the elements of consultation and multilateralism of the major power managerial regime. Since the consultation element requires regular meetings and forums for consultation it gives an incentive for the creation of intergovernmental cooperative structures among the major powers to facilitate communication. The more important effect is on the creation of intergovernmental organizations between other states.

The social interaction of states creates powerful incentives for the creation of regularized forums for cooperation and consultation. The need to overcome information asymmetries and to mitigate the problems created by private information creates an incentive to form intergovernmental organizations. Conversely, that same interaction creates roadblocks to intergovernmental organization creation. The fear of being “tied” down to agreements that may limit freedom of action in the future, and distrust of the motives of other organization members stand as roadblocks to the creation of intergovernmental organizations. Nonetheless, these fears are always present in international politics and states have been able to overcome them in order to cooperate. States can manipulate the form and rules of intergovernmental institutions at inception, and later in their life to adjust to the roadblocks mentioned above. Yet, these roadblocks can become insurmountable if there is third party spoilage from parties outside the prospective members of the organization.

Third party intervention can upend the delicate balance between road-blocks and incentives that permit states to agree to regularize their interaction in a permanent forum. It reinforces the fear that any

agreement made today will be revoked in the future, as external third parties can provide states with the assistance that would decrease the costs of reneging. Domestic groups opposed to the creation of the intergovernmental organization would be able to find patrons and supporters for undermining their state's adherence to it. More importantly, third parties may be unwilling to permit the creation of viable alternatives to conflict. They may do this because it decreases their ability to gain influence as allies of regime members in the case of conflict because of the existence of an alternative to conflict. If the members of the inter-governmental organization can resolve their issues via the new regime what use do they have of external allies? They may also do this because they fear that the new organization might be used by their opponents in order to erode their influence and limit their policy options among member states. Witness the worry that the establishment of the Shanghai Cooperation Organization created among the US foreign policy establishment.

Of all the third party interlopers, major powers are the most dangerous because of their superior resources and surplus military capability. Major powers have a higher incentive than other third parties to see attempts at the creation of cooperative regimes as a threat to their influence, especially if those attempts are headed by a rival or enemy. Major power influence in a war-prone world is based on their ability to assist other states in their conflicts. If states find credible alternatives to conflict, that undercuts their ability to influence the behavior of other states. It is no accident that many of the first regional attempts at intergovernmental organizations in South America had an anti-major power philosophy. More importantly, major powers will intervene against regional attempts to create viable alternatives to conflict if they see those attempts as the handiwork of their major power opponents. In a war inducing system any cooperative endeavor by states is seen as suspicious by major powers at a state of war, preparing for war, or recovering from war.

Major power managerial coordination mitigates those incentives to intervene and fosters the creation of intergovernmental organizations. First of all, the regularized interaction of the major powers is generally safe from third party interlopers because the major powers are the most powerful states in the



system. There is precious little that minor powers can offer to persuade major powers to defect. Any defections are due to changes in the major power valuation of cooperation, not outside influences. Major power coordination thus provides an example of a viable cooperative regime that is an alternative to conflict. Furthermore, because of the three elements of major power cooperation antagonistic third party intervention by a lone major power against an attempt by some states to create an intergovernmental organization is harder. Finally, as elements of the regime withstand the test of time and become more regularized the major powers may set up interstate organizations to manage specific issues of international relations. The time has now come to ask why would major powers create such a regime and remain part of it in the long run.

## WAR WARINESS AND THE DOMESTIC ORIGINS OF MAJOR POWER MANAGERIAL COORDINATION

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Major powers, like all states, engage in interstate interaction because of the quest of government elites to satisfy the demands of domestic groups that make policy demands on them. Some of this interstate activity manages the consequences of cross-border non-state interaction, like international trade. Other times, interstate interaction is initiated at the express demand of a domestic group, as when a domestic national group pressures its state to demand protection for a minority in another state, like Greek nationalists did for Greek governments in the 19<sup>th</sup> and 20<sup>th</sup> century concerning the Macedonian Issue.<sup>20</sup> The results of this foreign policy activity can determine the stance of domestic groups towards the continued rule of government elites.

When domestic groups demand foreign policy action by the state with the goal of advancing stakes in an issue that are adversarial to domestic groups of another state, the result of state action is an

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<sup>20</sup> I assume that government elites seek to satisfy the demands of domestic groups because they wish to retain their hold on power. I am agnostic as to why those elites wish to do so. I am also agnostic as to who are the domestic groups. This is because I focus on the broad effect that responsibility to domestic groups has on causing major power managerial coordination. Also note that the story told also applies to foreign policy activity that is endogenous to the government elites.

international conflict (Mansbach and Vasquez 1981).<sup>21</sup> The engagement of major powers in international conflict is dangerous when it comes to the pacific resolution of issues. First, because of their increased material capability, major powers find military coercion cheaper than pacific alternatives. This is because a pacific resolution of issues requires higher levels of coordination compared to military coercion.

Antagonistic Major powers are more apt to use military force against minor power opponents that do not accommodate preemptively. Major powers facing major power opponents are more willing to use military actions to signal resolve, since they are cheap for them. They will also seek to negate stalemate inducing distributions of military capabilities through un-anticipated activity which feeds escalation dynamics by fostering paranoia or narrowing the window for a diplomatic solution, such as surprise attacks or radical changes in alliance patterns (Van Evera 1999: 35-69; Copeland 2000).

Second, antagonistic major powers can intervene in the conflicts of other states. Both the fact as well as the possibility of major power intervention has a negative effect on the pacific resolution of an issue. Major powers intervene in major-major conflicts to damage the interests of a rival or win an ally. They intervene in minor-major and minor-minor power conflicts either as part of a policy of mutual assistance with another power, or in order to gain a major power patron of a minor power as an ally. For example the rationale of Austria's alliance with Saxony in the later stages of the War of Austrian succession, was to gain a Russian entry to the war, since Russia was allied to Saxony. They may also do so because of domestic demands for that intervention (i.e. pro-Israeli groups and US policy in the Israeli-Arab conflict).<sup>22</sup> Even unilateral interventions that have the goal of bringing about peace by pushing for settlements or for providing extended deterrence, things that one would normally say are peace-inducing, only help link disputes to each other in a world of antagonistic major powers.

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<sup>21</sup> I assume here that the environment in which interaction happens is inimical to interstate coordination which increases the possibility of issues becoming contentious. Of course this is a variable in real life and states can set up regimes that make coordination more facile. However, since this paper is interested on exactly such a regime, major power coordination, it is sensible to assume that the initial conditions of interstate relations are problematic for coordination.

<sup>22</sup> These motivations for helping minor states make more sense than the belief that a minor state can contribute decisively to a major power's struggle with another major power.

As explained in the previous section, intervention in all of these cases has a negative effect on the possibility of pacific management. Peace is made harder to keep, and harder to reach after it has been broken. Peace agreements become frail and conflict recurrence is likely. Escalation also becomes more likely and hardliners become stronger domestically. Finally intervention can lead to counter intervention and the creation of large issue linkages that make a general breakdown of peace more likely and make harder item by item issue management. (Waltz 1979; Vasquez 1993). Pacific regimes that could help manage the issues, like international organizations, may be rendered impotent by major power antagonists. An example of this is the protection major powers have provided to pariah allies from UNSC resolutions.

The preceding tells us how major power conflict participation fans the fires of military conflict in the system. It is within this result that the kernels of major power coordination lie. Major power elites may in time become war wary, afraid of becoming entangled in militarized conflict, and thus try to create credible alternatives to it. Major powers may be strong states but they can be defeated in war, especially by other major powers. A victorious war may leave a major power bankrupt and with its economic and social system under strain. Either of these results can be dangerous for the continuous hold to power of major power governmental elites. A victorious power may enact social and political change on the defeated one, as the Allies did to Germany after 1945. Dissatisfied sections of the population may take advantage of defeat to rebel, as was the case of the 1905 Russian revolution. Even a victorious power is not safe as a costly war may lead to social and political unrest, as the War of American Independence did for 18<sup>th</sup> century France, or the Russo-Turkish war of 1877 for Russia. Consequently the more a major power engages in antagonistic policies in a system dominated by war-inducing regimes, the more the possibility of such results increases. Depending on the luck of a regime that engages in repeated conflict, it may be spared these costs and thus never become war wary. Yet others will experience these dangers and indeed become war wary.

If only one major power becomes war wary the result may not be system affecting. But if a number of them become so, either due to direct experience, or wariness created by witnessing the domestic consequences of war for another major power, those powers can become advocates and agents for the enactment of elements of a major power managerial coordination regime. Other major powers might join for more cynical reasons (although avoiding the loss of domestic power is quite cynical), but their membership reinforces rather than weakens the regime.<sup>23</sup> This process of course is probabilistic, not deterministic, and may very well fail many times before succeeding (as an example see Schroeder's description of Austria's attempts to escape the war inducing system before 1816). It also interacts with other variables of international relations noted by scholars, such as ideological conformity (Morgenthau 1948; Bull 1979), or war weariness (Toynbee 1954).

Accordingly, military coercion as a way to resolve issues, seemingly the cheap alternative to coordination demanding pacific alternatives, can end up being very costly for states. Reshuffled alliances can partly compensate for losses but only at the cost of increasing the conflict linkages, making issue management harder, and increasing the possibility of escalation to multilateral war. The cure may be worse than the disease because it does not address the real problem, which is the danger major powers pose for each other in the case of war. Consequently, major powers have a powerful incentive to manage international relations in such a way that the possibility of major power war decreases. This leads to the accumulation of the three elements, consultation, multilateralism, anti-unilateralism, that constitute the managerial coordination regime.

As to the question of why major powers would remain loyal to such a regime here are some reasons. First, since such regimes are hard to create major power governing elites may be loath to destroy them except if that is seen as the only way to maintain power. Second, the management of the system

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<sup>23</sup> I will not take into consideration here the case of major powers that explicitly seek major power war with the goal of eradicating other major powers, like Nazi Germany. This is because they tend to be rare. Their ruthlessness and willingness to cause the escalation of multiple disputes creates alliances of attacked states, possible victims and even third parties that try to stop the rogue power.

creates groups within the elites, such a bureaucracies as well as domestic constituencies that have invested time and effort in their role as the state's managers of its part of the managerial system. These constituencies add another element that elites may want to consider when breaking with a major power managerial cooperation system. Third, if the major power seeking to break the system is alone, it may be unwilling to do so even if the system is costly for it right now because of the fear of isolation or concentrated future action against it by the major powers that remain in the system. Therefore, for the system to break down concentrated action between more than two members is required. This in turn adds coordination issues. If we remember that these are attempts in a process that has the goal of destroying a regime of trust and consultation, issues of trust will also be paramount among the "conspirators". A major power managerial coordination system, once established, has staying power. To break it requires almost as hard a process as is required to make it.

I have presented a story of why regimes are important for explain the behavior of states, why a system is better conceptualized as a set of regimes, and how regimes can foster war or peace. I also looked at what a major power managerial coordination regime is in the abstract. I provided a story of why one should expect the regime to foster peace. Furthermore, I provided a story of why major powers create the regime and why would they remain within it. The time has now come to present the theoretical propositions that result from the above discussion.

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## PROPOSITIONS

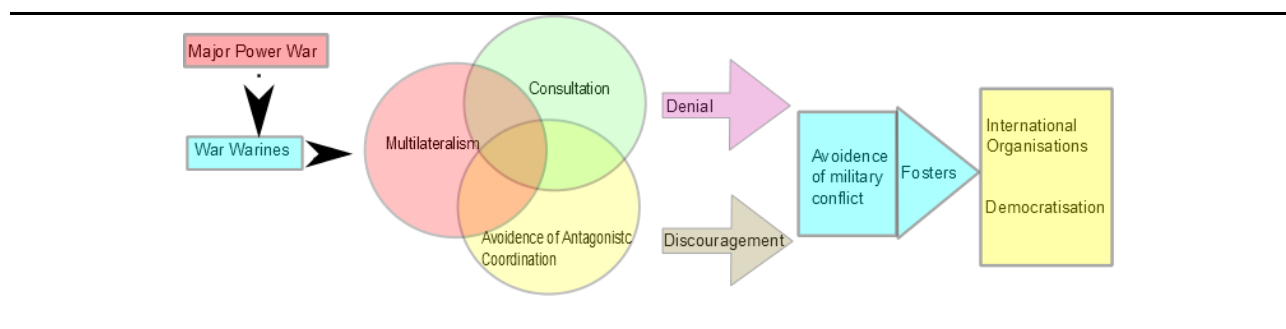
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Figure 3.1, presents a summary of the explanatory story presented in this chapter. Major power wars, the result of the war-inducing regimes, create a threat for the governing elites of major powers since defeats and costly victories can undermine the trust and tolerance of domestic groups for the government elites. To avoid major power war as result of the management of international issues, major powers engage in consultation with each other. Consultation leads to multilateral action in the form of managerial interventions. Major power multilateralism leads to the creation of major power cooperative organizations

to facilitate coordination. These organizations extend to minor powers or become the blueprints for minor power IGOs.

To avoid the undermining of the pacific resolutions of issues created by major power consultation and multilateralism, major powers will avoid antagonistic coordination and also engage in signaling to deter minor powers from engaging in antagonistic activity through denial and discouragement mechanisms. The restriction of spoilage coming from the three elements of major power managerial coordination fosters democratization and the diffusion of intergovernmental organizations in the system. These result in a peace-inducing system.

Figure 3.1 Schematic Representation of the Explanatory Story



In this dissertation I am only interested in the later 3/4ths of the model in Figure 3.1. I conceptualize and provide a measurement instrument for major power behavior within the three overlapping circles that represent the three elements of managerial coordination. I evaluate hypothesis about the association of the overlapping space of the three circles on the avoidance of military conflict. I also evaluate some hypothesis about the denial and discouragement mechanisms through which one could explain that association. I finally evaluate how by fostering peace, managerial coordination fosters domestic democratization and international organizations. I do not evaluate the first fourth of the figure, how war-wariness comes from wars and how it is associated to managerial coordination.

From that explanation the following sets of propositions can be extracted. First there is the possible explanation for the initiation of the process for creating a managerial coordination regime.

The creation proposition-systemic

*The accumulation of a history of recent destructive or costly major power wars will be associated with increased efforts by major powers to enact the three elements of major power managerial coordination.*

One can stipulate from the story presented in this chapter that the impetus for such a regime will follow the participation of the major powers in a number of wars that either led to defeat, or costly victories. Furthermore those defeats should be accompanied by some combination of territorial losses, occupation by foreign powers, or economic problems. Victories should be accompanied by economic problems or demands for political representation. The key is that participating major powers should experience a questioning of legitimacy due to the consequences of the war. The more wars that bring about such consequences and the closer they are in time, the higher the possibility of attempts at major power coordination.

It should be noted here that there are many variables that can reinforce or mitigate the incentive for enacting policies for major power managerial coordination. A series of costly victories or costly defeats is only part of the story. Indeed the almost continuous state of war in Europe during the 17<sup>th</sup> century failed to produce an attempt at managerial coordination, unlike the French Revolutionary and Napoleonic Wars. Domestic issues, and changes in the way people may view the world may also affect the propensity of state elites to “think outside the box”. Such a change is the transformation in the view of time and the individual’s and society’s place in past, present and future between the 18<sup>th</sup> and 19<sup>th</sup> century. And it is not necessary that a power that becomes war wary finds solace in managerial coordination. Sometimes they might just bandwagon with a stronger major power, as Prussia did with Russia in the period from 1812 to roughly 1856. The above reservations should not be taken as an admission that the

story presented of why we get major power managerial coordination is not important. They are accommodations of the fact that it is part of a larger process.

The proposition for the creation will not be evaluated in this manuscript, since in and itself it is a project. The discussion was done in order to provide some context and a basis from which to discuss the effects of major power managerial coordination. The following propositions represent those effects.

The association proposition.

*As the three elements of major power managerial coordination are increasingly used concurrently by the major powers there should be a decrease in the use of military force in the international system.*

This proposition represents the main argument made in this project. As major powers engage in consultation, multilateralism and avoidance of antagonistic coordination the ability of states to use military force will be curtailed, and more alternatives to military force for resolving issues will become available. Consequently the use of force in interstate relations should go down. Since it was noted that the main ways in which major powers abate the use of force in the system is through their support for other states, we should expect that if the explanatory story presented is true then some specific forms of major power support for other states will become rare in a system that has major power managerial coordination. This is the denial mechanism. These are alliances between major powers and minor power states, and the support in material by major powers for other powers, both major and minor, which tends to be expressed in the ability of those states to enact arms races.

Denial Mechanisms:

*A major power managerial coordination system is associated with a decrease in the creation of major power alliances, which exclude some major powers, with minor powers.*

*A major power managerial coordination system is associated with a decrease in the initiation of arms races among system members.*



At the same time the explanatory story stressed the role that major power managerial coordination plays in discouraging unilateral antagonistic activity by other states. Especially the threat of major power managerial interventions or the actuality of said intervention should decrease the propensity of states to use military force. Such intervention should be more possible under a managerial coordination system than in a more antagonistic political environment.

#### Discouragement Mechanisms:

*A major power managerial coordination system is associated with an increase of major power multilateral managerial interventions.*

*Major power managerial interventions should be associated with a decrease in the propensity of states to engage in military conflict in the period immediately after the intervention.*

*A major power managerial coordination system is associated with a decrease in military intervention by minor powers in existing conflicts.*

Lastly, I posited that the pacific effect of major power managerial coordination goes far beyond the direct effects and can outlast the regime itself. This is through the fostering effect that major power managerial coordination can have on the creation of international organizations, an alternative issue management regime to the use of force. These indirect pacific effects are also through the fostering of reforms that make democratization more likely, and thus help spread the foundations for the pacific effects of democracy.

#### Indirect effects:

*A major power managerial coordination system is associated with an increase in the number and membership of intergovernmental organizations in the system.*

*A major power managerial coordination system is associated with the democratization of domestic political systems of system members.*

The next section explains the research design that will create hypotheses from the propositions about the direct and indirect effects. Those evaluations will then be conducted in chapter 5, 6 and 7.

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# CHAPTER 4: RESEARCH DESIGN

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## INTRODUCTION

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The previous chapter presented the explanatory story for why one should expect major power managerial coordination to have a transformative effect on international politics, rendering a war-inducing system to a peace-inducing system. In the end a number of theoretical propositions were presented. In this chapter, I look at the research design that will transform those theoretical propositions to hypotheses, and the methods that will be used to evaluate those hypotheses. These evaluations will take place in three empirical chapters. Each empirical chapter will serve a specific purpose. Chapter 5 and Chapter 6 will evaluate the hypotheses for the 1816-2001 period showing us the state of interstate relations in the system during and after a major power managerial coordination regime. Chapter 7 will showcase the state of interstate relations in the 1715-1815 period, a system before a major power managerial coordination regime. Chapter 8 will present the effect of major power managerial coordination across the 1715-2001 period, and thus across almost all of modernity.

The first two empirical chapters will begin with a short description of the historical context of the period noting the various peace-inducing and war-inducing regimes in the period, why one or the other predominated, and discussing the dynamics of change. This is required to counter some of the unfortunate but necessary ahistoricism of a quantitative study. After this introductory part the results of the quantitative evaluations are presented and discussed.

The chapter that follows focuses on the quantitative methods that will be used to evaluate whether there are indicators that would be supportive of the explanatory story presented in this project. It begins with presenting a novel measurement instrument of major power interaction, the scale of major power coordination intensity, that will be used to indicate the quality and intensity of major power

managerial coordination efforts. The scale ranges from war-inducing antagonistic coordination to peace-inducing managerial coordination, with two additional levels in between. Other independent variables are discussed after it. Following the independent variables is the discussion of the various dependent variables used. A presentation of the novel dataset of Militarized Disputes in the 1715-1815 period follows, necessary for chapter 6. The unit of analysis and models that will be used for the evaluations are the presented together with the hypotheses. Finally control variables are discussed.

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## TEMPORAL DOMAIN

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The temporal domain of this study is the modern interstate system from 1715 to 2001. With the term modern I mean the totality of the states affected by what historians call modernity as expressed in the nexus of the concepts of enlightenment-rationalism-capitalism. To put it simply I care about the victims and victors of Western Civilization. This means that I do not look at the relations between polities in a pre-modern state (inter-African tribe relations, the Chinese international system before 1850), or those between polities of modernity and polities in a pre-modern state (early European relations with local polities in Asia, South America and Africa). I am interested in the political interaction and behavior of polities that are part of the modern state system, or with pre-modern societies in transition to modernity that are grappling with the challenges of the modern interstate system.

Our actors thus are populating either the early core of the modern interstate system, namely Europe, or are being dragged into it, like post-colonial states or states that avoided colonialism but had to adjust to the challenge of modernity. For the 1715-1815 period they are populated using Gibler's list of interstate members (Gibler 1999). For the 1816-2001 period the Correlates of War interstate system membership nicely captures this dynamic. States enter it either as pre-existing members of the European core of the modern interstate system, or as they are facing the internal challenges posed by interaction with modernity. While the list is not a proper list of polities, it is an adequate list of when a polity became

part of the modern interstate system, as opposed to being part of a per-modern local international system.

## INDEPENDENT VARIABLES

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### *a. The Scale of Major Power Coordination Intensity*

The main variable of interest in this project is the quality and intensity of major power interaction. What is needed is a measure that can capture whether major power interaction is characterized by policies in pursuit of antagonism or by attempts at managerial coordination for facilitating cooperation. It must also capture if those attempts at managerial coordination are more or less intense compared to each other. Intensity here means how many elements of managerial coordination the major powers are pursuing.

Extant measures used to capture the quality of major power interaction are problematic. They either are not measures of major power behavior, they do not vary sufficiently to be possible explanations for the variation of militarized conflict and peace, or they are not replicable. Wallensteen's measure of "universalism" and "particularism" varies enough to be useful as part of an explanation of the variation in the militarized behavior of dyads. It also represents a behavioral measure operationalized as it is by major power diplomatic activity. However, it is a measure too dependent on historical opinion about the general behavior of the major powers as opposed to measures of that behavior (1984:244-246). Consequently if one does not accept the view of the historians he relies on, one cannot replicate his measure.

Furthermore the measure, while varying on a temporal level sufficiently to explain variation, is not discriminating enough between levels of universalism and particularism. Is major power particularistic behavior dominated by adversarial major power alliance networks equally pernicious as system of relatively indifferent but particularistic major powers? Is universalism evoked in the form of shared international organization membership by major powers equally beneficial as a congress system?

These are gradations that Wallenstein's measure does not capture. A good measure can always be made better and the scale presented in this paper should be seen as a natural evolution of Wallenstein's measure.

The measures used by Huth, Gelpi and Bennet (1992) are not behavioral. Alliance tightness varies enough to make sense as possible explanation for the variation in the incidence of conflict in international relations, but by itself it does not tell us a lot about major power interaction. Are managerial alliances like the post-1816 major power alliances the same as antagonistic alliances (like the Triple Entente)? How are the signals sent out by alliances mediated by other major power interaction like joint membership in intergovernmental organizations and pacific regimes? Alliance tightness by itself cannot answer these questions.

Measures such as number of major powers do not vary enough and are not behavioral enough to serve as good explanations of the variation in conflict (Huth *et al* 1992:496-498). They may explain crucial behaviors that affect that variation, but are not directly tied to the decisions about military conflict.

The various measures used by Geller (1992) based on the distribution of power among all the major powers are easily replicable and sufficiently vary, being continuous, to make sense as explanations of the variation in the incidence of conflict. But they are not behavioral measures. The distribution of capabilities among the major powers may affect major power behavior but there is no deterministic relationship. Major Powers may cooperate more under a hegemonic system, or may do so less.<sup>24</sup> They may initiate multipolar congress systems like Vienna, or create antagonistic alliances. While power concentration among the major powers tends to be associated with peace, there is no story about what behaviors exactly that are produced by it are associated with peace. There are no mechanisms, to put it in other words.

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<sup>24</sup> Some interpretations of the Congress system see it as a British Hegemony. An example of hegemony with discord could be taken from major power relations during those periods in which Napoleonic France dominated continental Europe.

Consequently, as part of this project, a new measurement instrument is created to capture major power engagement in consultation, multilateralism and antagonistic coordination. Major power coordination can vary in strength depending on whether the positive elements and negative element are present or absent (consultation, multilateralism, antagonistic coordination). The effect should also be conditioned by the sensitivity states exhibit to major power activity, which is how often states or their neighborhood are targets of major power foreign policy activities.

I conceptualize consultation as the shared membership of all or the majority of major powers in intergovernmental organizations that have a security mandate, like the United Nations, or in large congresses that try to resolve many issues and create informal regimes and norms, like the Berlin Congresses of the 19<sup>th</sup> century. Membership in such regimes is a clear behavioral indicator that the major powers prefer consultation to simple unilateralism as the basic systemic principle for resolving conflicts. The justification for this is found in Randle (1987). Large multilateral congresses, in which the majority of major powers take part form the constitutions of the international system as they resolve issues, delineate norms ,declare behaviors permitted or proscribed, and create institutions and regimes for managing new issues. Membership in a congress or institution is also membership in the regimes created or crystallized by that congress or institution.<sup>25</sup>

Multilateralism is operationalized as the shared membership of the majority of major powers in alliances that do not target a non-member major power. Examples of such alliances are the Quadruple Alliance of the Vienna Congress system after France became a *de-facto* member.<sup>26</sup> The existence of such major power alliances creates a signal of major power managerial coordination to other states, as well as a ready forum for major power multilateral action.

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<sup>25</sup> In reality this relationship is not deterministic. But for the purpose of this paper and for the population of major powers it is not a erroneous assumption to make.

<sup>26</sup> While the Quadruple Alliance had an anti-French clause, France was made aware of it by agreement of the allies when the treaty was signed. Furthermore, France until 1818 when it was offered the option to adhere to the Vienna System was under occupation. For more about the political interactions see Schroeder (1994).

Membership in such an alliance is a powerful indicator of the preference of major powers for consultation, but also for coordinated action in resolving conflicts. This is because inclusive major power alliances tend to be hard to create, and are costly in the sense that foreign policy must become more accommodative to allied interests. Major power allies are not as easily ignored as minor power allies.<sup>27</sup> If the goal is consultation, looser and less restrictive alternative regimes exist. Consequently, the existence of this regime indicates major power intent to act multilaterally.

The presence of the negative element of antagonistic coordination is operationalized by the existence in the system of any alliance between two or more major powers that openly targets a non-member major power. The existence of such adversarial alliances is a clear indicator of enmity, a preference for resolving conflicts through coercion, and a preference for unilateralism. Examples of adversarial alliances were the major power alliances that end up fighting in World War I.<sup>28</sup>

I assume that each one of the three elements is equal in its effect to each other. To create a scale of major power coordination intensity I code whether every year in the international system had present any of the elements, with the managerial elements each adding 1 to the scale, and the antagonistic element subtracting 1. A system year that had no elements present, either cooperative or antagonistic, is coded with a major power managerial coordination of 0, and can be considered the null category of the scale. If both one cooperative element and the antagonistic element are present, this also ends up being point 0. Are these two situations comparable? I argue that they are from the point of view of other states. When major power interaction is constituted by neither overt attempts at managerial or antagonistic coordination, states should have a hard time perceiving what the preferences of the major powers are. This should lead to a policy of wait and see. When the major powers are engaged in both managerial and

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<sup>27</sup> Napoleon's penchant to ignore the interests of his allies contributed to both the war with Prussia in 1806 and the escalating disputes that led to the Russian campaign of 1812. The Sino-Soviet split in the 1960s was partly fueled by Chinese perceptions that Moscow ignored Chinese interests.

<sup>28</sup> Once more reality is more complicated than theory. The antagonistic major powers of 1914 were able to cooperate against China in 1901. However the existence of these overt (or *de jure* secret but *de facto* overt) antagonistic alliances was seen by the Balkan states as an opening for their own opportunistic politics of aggression against the Ottoman Empire and each other.



antagonistic coordination the contradiction should bring about a similar stance by states. Consequently, I assume that the behavioral results of these two states of major power interaction are identical and can be represented by the same code.

As written above, the two elements indicating positive coordination, consultation and multilateralism, add 1 to the scale when each is present. From the theoretical discussion I argue that these two elements, operationalized as major power managerial alliances and major power joint membership in intergovernmental organizations, are also complementary. This happens both in the sense that the signals of major power managerial coordination are amplified, as well as in the proliferation of credible alternatives to military force. Therefore, a system year which has both a major power managerial alliance and joint membership in inter-governmental organizations is the most structured pacific system, a major power managerial system and is scored a 2. The presence of major power adversarial alliances; the signal of antagonistic coordination, in the system subtracts 1 from the scale.

We have thus a scale that takes the values 2, 1, 0 and -1 depending on the presence or absence of the three elements. Table 1, summarizes the possible combinations. The higher the number in the scale is the more intense the managerial coordination among major powers. To facilitate statistical work I add a 2 to each result so that the scale has a minimum of 1 and a maximum of 4.

This four point scale is a direct result of the assumption that the three elements have a similar effect. An argument could be made that this assumption shoe-horns different things in similar categories, and thus decreases the external validity of the measure. I make this assumption for three reasons. First, in a project that could be seen already as too expansive exploring theoretically the interaction of the three elements, in order to ascertain if one or the other has a different magnitude, would easily add another 100 pages. I have decided to err on the side of simplicity, leaving this important task for a future project.

Second, I would argue that creating a more varied scale (9 instead of 4 points for example) that could account for differences in the influence of each element is not going to engender a big difference in

findings between the 4 point scale and the 9 point scale. The new points that arise from the more cooperative points of the old scale will not have a different influence on the onset of military conflict, than the cooperative points of the four-point scale. This is because some of the new combinations are going to be very rare in the period of interest. Breaking down the scale thus to more points on the assumption that each element has a positive influence of different magnitude, will not change the result that accumulations of the three elements have a positive association with the avoidance of military conflict.

Third, absent empirical indicators or theory that can guide us to how the influence of each element differs from the others, and whether some are perquisites for the others, there is no none-arbitrary way to decide how to place the elements in the hierarchy of cooperative points. Is the avoidance of adversarial coordination less or more cooperative than the engagement of consultation? Is such a relationship always set, or do different eras see a different magnitude of effect? The answer to these questions is necessary for creating a more diverse scale. And a more diverse scale could be readily made from the scale presented on Table 4.1. But absent a reason for doing this, I would argue that the assumption of equality is adequate for the goals of this project and legitimate. That said I fully encourage the creation of a more diverse scale for future research and an exploration in the relationship of the three elements.

A score of 2 on the scale (4 in the adjusted version) most closely approximates the coordination that took place during the Vienna system from 1816 to 1822.<sup>29</sup> A score of 1 (3 in the adjusted version) on the scale most closely approximates the Vienna System between 1841 and 1848, when the alliance element was absent, or the Cold War when major power antagonism was constrained by joint IO membership. (Miller 1995: 36, 80-87). A 0 score (2 in the adjusted version) is most closely approximated by the unclear politics of the 1932-1934 period, before German and Italian foreign policy goals became

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<sup>29</sup> Because it was occupied, France was not a major power in that period up to 1818. Afterwards it became a de facto member of the Quadruple alliance until 1822. See Schroeder, 1994 for details.

explicitly clear. A -1 score (a 1 in the adjusted version) is approximated by periods of major power warfare and preparation for war, like 1935-1945.

Table 4.1 Scale of major power coordination intensity combinations.

Intensity of Major Power Coordination Score	Major Power Managerial Alliance (Multilateralism)		Major Power Shared Membership in International Pacific Institutions and Regimes (Consultation)	Major Power Adversarial Alliances (antagonistic coordination)
2 “managerial coordination”	Present	And	Present	Absent
1	Present	Or	Present	Absent
1	Present	And	Present	Present
0	Absent		Absent	Absent
0	Present	Or	Present	Present
-1 “antagonistic coordination”	Absent		Absent	Present

To operationalize each element of the scale in this period the following procedure is used. Major power status is taken from the Correlates of War Major Power dataset (COW Major2008.1).<sup>30</sup> The information from the major power dataset was then combined with the Alliance Participant dataset of the Alliance Treaty Obligations Provision project (ATOP.3). This gives us all the alliances that had at least one major power member (332 of 648 alliances for 1816-2003). Using that information as well as the ATOP documentation, those alliances are then divided into three categories. Major power unilateral alliances, which are alliances that have one to a minority of the major powers as members and do not

<sup>30</sup>Correlates of War Project. 2008. “State System Membership List, v2008.1.” Online, <http://correlatesofwar.org>. There is one significant change I make. COW lists France in 1816-1818 and 1871-1873 as a major power. But that is a fallacy because large areas of France were occupied during the period as a result of the 100 Days Campaign and the Franco-Prussian War. Since COW does not list France as a major power in 1941-1944 when it was occupied, or Germany from 1918 to 1925, when the same happens, I see no justification for not doing the same for France 1816-1818 and 1871-1873.

explicitly target a non-member major power (286 of 648 alliances). Major power adversarial alliances, whose presence is the operationalization of the negative element of antagonistic coordination, that have at least two major power members and explicitly target a non-member major power (23 of 648 alliances).<sup>31</sup> And major power managerial alliances, the operationalization of multilateralism, that have at least a majority of major powers as members and do not target a non-member major power (8 of 648).<sup>32</sup>

The second element of the scale is shared major power membership in intergovernmental institutions, the operationalization of consultation. This was compiled using the Multilateral Treaties of Pacific Settlement (MTOP) dataset v1.4 created by Paul Hensel (2005; 2001).<sup>33</sup> Because of the stipulations in the explanatory section, only those intergovernmental institutions that have a security mandate and have at some point in their history acted on that security mandate are included. This is because major power membership in intergovernmental institutions that have no mandate on political-security issues does not give any signal about major power *de-jure* adherence to the norms and regimes for managing and resolving political and security issues in a pacific manner. Membership in inactive institutions also provides no signal, since membership is not costly.

I locate active institutions by using the lists of active institutions in the papers by Hansen, Mitchell and Nementh (2008) and Bercovitch and Schneider (2000). This produces a list of 20 active peace institutions in the system in the 1816-2001 periods, which can be found in Table 4.2. I then

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<sup>31</sup> The ATOP id numbers for adversarial alliances are 1065,1160, 1165, 1170,1180,1190,1215, 1265,1270, 1295, 1300, 1350, 1365, 2025,2040, 2130, 2350,2355,2360, 2395, 2535, 2540,2550,2555. There is one alliance in the Alliance Treaty Obligation Provisions (ATOP) dataset that is used to find alliances, that has explicit major power targets, has more than one major power member, and is not coded as adversarial. This is the alliance with ATOP id. Number 2310. The reason is that the explicit targets (France, Germany) are also members of the alliance. The alliance was a non-aggression treaty with a defensive clause concerning Belgium. It lasted from 1925 to 1937. Three ATOP alliances that have at least two major power members do not have explicit major power targets but are coded as adversarial are the 1856 alliance for guaranteeing the Paris Treaty that ended the Crimean War, which implicitly targets Russia as the only excluded power (ATOP id. 1195), the 1914 agreement among the entente powers not to sign individual peace treaties with the Central Powers(ATOP id. 2015), and NATO before 1990.

<sup>32</sup> The ATOP id numbers for the managerial alliances are 1005,1035,1045,1110,1315,2095,3460,3740

<sup>33</sup> Available online at <http://data.icow.org>

determine the membership of a major power in each institution using MTOP, and see which ones saw shared major power membership in the institution.

Table 4.2 Active International Peace Organizations 1816-2001.

Institution	Life
United Nations	1946-Present
European Union	1958-present
League of Nations	1920-1946
Central Commission of Navigation on the Rhine	1815-present
Organization of African Unity (African Union)	1963-present
Arab League	1945-Present
Permanent Court of International Justice (PCIJ)	1922-1946
International Court of Justice	1946-Present
Permanent Court of Arbitration	1899-Present
Inter-American Conference on Conciliation and Arbitration	1929-Present
Central American Court of Justice	1907-1918
ODED (Organization for Democracy and Economic Development	2001-Present
Baltic Assembly	1994-Present
Commonwealth and Judicial Council of the Imperial Privy Council	1931-Present
NATO (only from 1990)	1949-Present
OPEC	1961-Present
Islamic Conference Organization ICO	1973-Present
OEEC	1946-1961
Arab Maghreb Union	1989-Present
Organization of American States (OAS)	1951-present

Beyond membership in intergovernmental institutions, major powers can also signal an adherence to common regimes by taking part in large scale multilateral international congresses and peace treaties (like Westphalia in 1648). A major power is considered a member of such an informal institution if it took part in its inaugurating meeting, or in subsequent meetings and for a ten year period after the last meeting. I base this membership criterion on Randle's argument that the member states of peace treaties or international congresses are members of the constitution of regimes created by the treaty (1987:32, 35, 59-61). The ten year rule accounts for the weakening of regimes that lack institutionalized form due to the passage of time.

The treaties and congresses that meet the above requirements are presented in Table 4.3. Membership info for the Congress of Europe, London Conference and Berlin system is extracted from the

Britannica Encyclopedia 15<sup>th</sup> edition (1985) and Langer's *The Encyclopedia of World History* 5<sup>th</sup> edition (1986). The membership of the Hague System was compiled from the website of the Permanent Court of Arbitration ([www.pca-cpa.org/](http://www.pca-cpa.org/)), and the MTOP dataset. Information about the membership of the Pan-American Meetings and the Congress of Panama was compiled from the OAS website (<http://www.oas.org/en/default.asp>).

Table 4.3 Informal Peace and Institutions and Congresses 1816-2001.

Institution	Period of activity (in parentheses last meeting)
The Congress of Europe	1815-1858(1848)
The Congress of Panama	1826-1836(1826)
Pan-American Meetings	1847-1874 (1864)
The London Conference	1867-1877(1867)
The Berlin System	1878-1894(1884)
The Hague System	1899-1917(1907)

Using the above operationalization I note the following distribution of system years among the points of the scale of major power managerial coordination intensity. Major power interaction reached Point 2 of the scale, the highest level of managerial coordination, in 25 years of the 1816-2001 period.<sup>34</sup> It reached Point 1 in 58 years of the period.<sup>35</sup> Point 0 was reached by 60 years in the period.<sup>36</sup> Point -1 was reached by major power coordination in 43 years of the 1816-2001 period.<sup>37</sup> The distribution for the 1816-2001 period is graphically presented in Figure 4.1.

The scale is replicable. Anybody following the procedures described above and using the sources used will come to the same results. The scale is more objective compared to past efforts, in the sense that whether major power interaction in a year reaches a specific point is not something based on a subjective decision of what the historical opinion tell us, unavoidable as it is , but on what the datasets indicate was

<sup>34</sup> These are the periods between 1816-1822, 1827-1829, 1990-2001 and 1840,1878,and 1921.

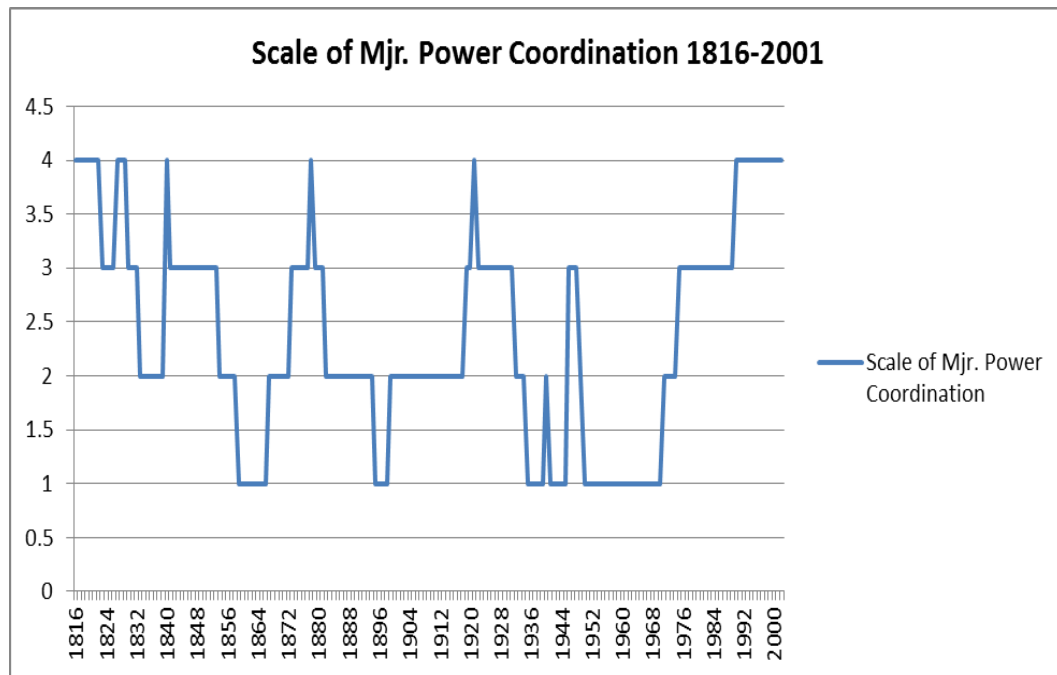
<sup>35</sup> These are the periods between 1823-1826, 1830-1832,1841-1853,1873-1877, 1879-1881,1919-1920,1922-1931, 1946-1948, and 1975-1989.

<sup>36</sup> These were 1833-1839,1854-1858,1867-1872,1882-1894,1899-1918,1932-1934,1971-1974 and 1940, 1949.

<sup>37</sup> These were 1859-1866,1895-1898,1935-1939,1941-1945,1950-1970.

the behavior. Finally, because of the annual unit of measurement, it provides a richer and more varied picture of major power coordination.

Figure 4.1 Scale of Major Power Coordination in the 1816-2001 period



That said the scale presents some information that on a first reading may not be persuasive. Specifically the period around World War I (1899-1919) indicate attempts at major power coordination that are at a higher level of the scale (point 2) than the period around World War II (1929-1946), which tend to be at a lower level of the scale (point 1). This could be argued to count against the external validity of the scale. There are three arguments I would make in defense of the measurement.

First, there is always a tension between the external validity and the internal consistency of any measure. According to the scale of major power coordination, while the major powers in the pre-WWI period were engaged in adversarial alliances, they also shared common membership in the norms of the Hague Conventions. In the case of the period before World War 2, with the exit of Germany, Italy, Japan and the Soviet Union from the League of Nations no such common forum existed. The instrument captures this difference, but this does not mean that substance wise there is an empirical difference.

However, making arbitrary decisions to correct the instrument towards a view of empirical reality would destroy the internal consistency of the instrument, rendering it less useful. Sometimes external validity must be sacrificed in the name of logic.

Second, on a substantive point the period before and after World War I was less contentious than that of World War II. Looking at the management of issues during the 1899-1914 period, the major powers were able to resolve in a pacific manner a number of serious issues, and to avoid entanglements in the minor power wars of the period (Balkan Wars, Italian-Ottoman War). Even during the July crisis, the belief among the crisis managers was that this was another major power issue that would have been resolved in peace like Agadir, Bosnia-Herzegovina, the Balkans etc. While all expected a war to happen at some point in a general sense, no one thought that it need happen due to the current crisis. In the case of World War 2 after the failure of the Munch agreement in 1938, the expectation of elites was the war was imminent. There was no great attempt to resolve the Polish-German question by major power diplomacy comparable to the activity during the July crisis. The resolution of the wars also differed. The defeated powers of WWI were quickly reinter-grated in the international system. On the other hand the defeated powers of World War II remained under occupation for close to decade after the war.

Finally, I ran some of the main models of Chapter 4 with the years between 1899 and 1919 that were coded as two, coded instead as a one in the scale. I can report that there was no major difference in results between the models in which major power interaction in 1899-1919 was coded as at point 1 of the scale with the models in which it is coded as at point 2 of the scale.

How does the new measurement instrument compare to previous measures of major power behavior, mainly Wallensteen's universalism-particularism dichotomy, polarity, and capability concentration. Table 4.4 presents cross-tabulations between Wallensteen's measure, polarity, and the scale of major power coordination intensity.



Table 4.4 Three measures of major power activity.

Scale of Major Power Coordination Intensity	Universalism	Particularism	Multipolar	Bipolar
2	13	0	13	0
1	36	8	40	18
0	27	33	55	5
-1	9	34	22	21

There is a good overlap between Wallenstein's and the new measurement instrument. The system years that reach the more cooperative points (2 and 1) tend to fall within the category of universalism. The less cooperative tend to fall within particularism. That said there are system years that Wallenstein codes as universalistic or particularistic that are not so clear-cut according to the more behavioral criteria of the new scale. Both bipolarity and multipolarity tend to be associated with more antagonistic major power relations, a powerful indicator of the harshness of international politics. However managerial coordination requires a multipolar world, an indicator that David Earnest's large-n coordination argument has empirical traction (2008). As far as capability concentration, there is a negative correlation between increasing concentration and increasing managerial coordination (-0.1969).

To further evaluate the validity of the measure I ran a number of logit regressions with variables that are highly associated with conflict. These were the presence of rivalry (Klein et al, 2006), the presence of a territorial dispute (Sense and Vasquez, 2008), and the escalation of a MID to war within 5 years of MID onset (Senese and Vasquez, 2008). In all three cases increasing managerial coordination as captured by the scale had a statistically significant association with the variable of interests. The fact that the scale has a negative association with variables that are positively associated with conflict and war does lend some confidence in its validity.

A further evaluation focuses on the validity of each point of the scale. Table 4.5 presents a cross-tabulation of the points of the scale with the number of dyad years in the 1816-2001 period that saw rivalry, , and the escalation of MIDs to war within 5 years, and the number of system years that saw the onset of a territorial issue.

Table 4.5 Cross-Tabulations of Scale of Major Power Coordination with variable associated with conflict

Scale	Rivalries	Territorial Issues	MID escalated to war within 5 years
2	829 (4%)	6(23%)	36 (8%)
1	1654 (6%)	17(29%)	92 (14%)
0	1339 (7%)	22 (36%)	142 (27.4%)
-1	1557 (7.5%)	11(25%)	238 (27%)
In Parentheses percentage from total dyad-years, system years for territorial issues			

The table indicates that generally speaking there is a declining ratio of conflict-associated phenomena and the progression from the points of the scale representing the least managerial coordination among the major powers to the most managerial coordination of the major powers. The only association that partly breaks that mold is that of territorial issues, where point -1 is less associated with their onset compared to point 1. This maybe attributed though to the still incomplete status of the ICOW data on territorial issues. These findings should provide some more external validity to the scale instrument.

This scale of major power coordination intensity is going to be the independent variable for all hypotheses expect for those focusing on the role that major power managerial interventions play in conveying the effect of managerial coordination to other states. I wish to remind that in order to simplify statistical manipulation we add a 2 to every point of the scale thus going from -1, 0, 1, and 2 to 1,2,3,4.

#### ***b. Managerial Interventions***

The second independent variable in this project is major power managerial interventions. These are defined as threats of the use of military force, or the use of military force by the majority of the major powers in the international system against a minor power state. For an intervention to truly be an example of a managerial coordination regime, or of lower intensity managerial cooperation between the major

powers, it should be done by at least the majority of major powers in the system, and they should all participate in the acts that make up the intervention, whether in the decision process or implementation process. Furthermore, an intervention that targets a major power cannot be considered managerial by minor powers but is a signal of major power antagonistic coordination. Thus for a major power multilateral intervention to signal to system members that the major powers are coordinating their activity in a managerial manner and not for antagonistic reasons it must target a minor power.

To locate major power managerial interventions in the 1816-2001 period I use the Correlates of War Militarized Interstate Dispute datasets (v.3.10). I use MID A , the MID unit of analysis dataset to locate multiparty MIDs. I then locate which multiparty MIDs had parties that were not originators but joiners using MID B, the MID participant unit of analysis dataset. I then use the Major Power dataset of COW to locate which joiners were major powers and which originators were major powers. After that I look if the major power joiners all joined on the same side, or if there was one or more major power originator if the other major powers joined it in the dispute. If the number of major power joiners and originators joining the same side is the majority of the major powers in the system, and the other side was not a major power, then the MID is a major power managerial intervention. In the 1816-2001 period that gives six MIDs (dispute numbers 89, 141, 2208, 4137, 3975, 4273) that fit the conceptualization of managerial intervention. There were no such interventions in the 1715-1815 period.

When considering the effect that major power managerial intervention would have on the behavior of states one would expect it to be stronger the closer in time to the current system year it happened. To capture that effect I create a binary variable that takes the value of 1 for every year, 10 years after a managerial intervention, including the year of the intervention. This gives us 60 years of major power intervention in the 1816-2001 period. Otherwise it takes the value of 0. I then include a decaying function in the decade that takes the value of 10 in order to account for the erosion of the interventions influence due to the passage of time. This is the independent variable for the propositions that focus on the effect of managerial interventions as a tool of major power managerial coordination.

## DEPENDENT VARIABLES (IN PARENTHESES PERIODS IN WHICH THEY WILL BE USED)

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### ***(a) War and MID onset (1715-1815, 1816-2001, 1715-2001)***

The dependent variables of the direct association propositions are the onset of a Militarized Interstate Dispute and the onset of War. The focus is on onset rather than initiation because I wish to look at the general effect of major power managerial coordination on the interaction of disputing states. When it comes to conflict onset I look at initial disputes between originators, or originators and joiners, but not at disputes between joiners. This is because the pacific effect of major power managerial coordination has already failed if there was one outside intervention in a dispute, let alone another one, which is required for a joiner dispute. I also focus on onset rather than duration because in the current project I am interested in military conflict avoidance rather than conflict termination. The variable takes the value of 0 if a MID or War did not take place, and 1 if it did.

Concerning the definition of war and militarized interstate disputes this project adheres to the Correlates of War definition of a reciprocated use of military force between two states that causes at least 1000 fatalities. Because of the existence in the Correlates of War dataset of some problematic cases, I use the Maoz Dyadic Dispute dataset to locate cases of MID and War onset for the 1816-2001 era. For the 1715-1815 period the new dataset on MIDs created by the author is used. This shall be presented later in this chapter. Using the Maoz dataset in the 1816-2001 period I find 2491 dyadic MID onsets and 220 dyadic war onsets. In the 1715-1815 period I have 154 dyadic War onsets and 101 dyadic MID onsets.

These basic binary variables are the dependent variables for all hypotheses that will evaluate the direct pacific association of major power managerial coordination. I will also use it to build counts of wars and MIDs per period when I conduct the evaluations using the dyad-period unit of analysis.

### ***(b) Mutual Military buildups (1817-2000)***

One of the explanatory propositions posits that one of the pacific results of major power managerial coordination is the denial of resources to states that could be used to fuel a militarized foreign policy. One logical consequence of this that can be evaluated is that *ceteris paribus* we should expect pairs of states to find it harder to engage in what Paul Diehl calls mutual military buildups. Since mutual military buildups and arms races are one of the steps to war, their avoidance can have a peace-inducing effect. To evaluate this I use the variables from the research design used by Rider, Finely and Diehl 2011 article for the 1817-2000 period. The authors found 485 dyadic mutual military buildup onsets in the era. The onset of a mutual armed buildup will be coded 1 while the absence of such an onset 0.

***(c) Minor Power intervention in ongoing conflict (1715-1815,1816-2001,1715-2001)***

One of the theoretical propositions put forward the argument that major powers acting in a managerial coordination system will dissuade third party interventions in ongoing disputes. This is because those third parties can act as “spoilers” of a peace process or lead to the diffusion and escalation of the conflict. To evaluate this variable I rely on the COW MID dataset to note each case of an intervention by a minor power in a conflict as a joiner. Unlike onset here I am interested in initiation by the joiner states. The variable takes the value of 1 if a minor state intervened in at least one ongoing conflict in a country year and 0 if it did not. From 13045 country years in the 1816-2001 period, 535 saw at least one intervention in an ongoing conflict.

***(d) Constitutionalism (1789-1815,1816-2001,1789-2001)***

One of the postulated indirect results of major power managerial coordination is that the pacification of international relations brought about by the regime fosters the democratization of domestic politics. One of the many elements of the path towards democracy is constitutionalism, the promulgation of a written constitution. The main importance is that constitutionalism is seen as a check on arbitrary power as even a hitherto absolute monarch is restrained by the written law. As Paul Schroeder showed, the Vienna system powers while absolutist were keen on legitimism and the promulgation of constitutions as an answer to popular demands for the rule of law. Constitutionalism is not democracy of course. But

the status of a constitution as a check on the arbitrary power of a monarch is a spring point for calls for further checks and ultimately popular rule.

To evaluate the association between increasingly intense major power managerial coordination and constitutionalism as a part of the democratization process I use the Comparative Constitutions Project (1.1) to locate every constitutional event in the 1789-2001 period. I code the variable 1 if a state saw the enactment or reinstatement of a constitution in a year, and for each such case, and 0 if it did not. From 13045 country years (1816-2001) there were 606 that saw the onset or reinstatement of a constitution.

***(e) Polity Score Change towards increased participation, competitiveness and executive constraints (1800-1815, 1816-2001, 1800-2001)***

Another way to try and capture the progress of a society towards democratization is via changes in their Polity score from the Polity IV dataset. The score captures how democratic or authoritarian a polity is at any point of time. While not a perfect proxy for reality it is adequate. To code it we use the Regime Transition variable (REGTRANS) of Polity IV. This variable indicates major changes in the polity score of a country during a given year and taking into consideration if it was part of a longer trend. Increases indicate an increase in participation, competitiveness and executive constraints. While none of these things means a democracy, increases in these do contribute to making a political system closer to democracy or broadening an already democratic system. The dependent variable is coded as 1 if the regime transition variable indicates a 1 point or larger positive change in the state polity score towards increased participation, competitiveness and executive constraints. Otherwise it is coded 0. From the 13045 country years in 1816-2001, 436 saw such positive movements to democracy.

***(f) International Organization membership (1816-2001)***

The other main indirect pacific effect of major power managerial coordination is the facilitation of the creation of International Organizations. To best assess the effect of major power managerial coordination on the life of IOs the focus is on the decision of states to become members of such

organizations. Using the MTOPv.14 dataset I can see whether states operating in a system characterized by increasingly intense managerial coordination regime are more apt to join and create international organizations than when major power are antagonistic. The variable takes the value of 1 if a state in a given year joined at least one IOs, and 0 if it did not or if it left an IO.

## THE 1715-1815 DATASETS

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At this point I will discuss the 1715-1815 Militarized Interstate Disputes Dataset Project. This will be used to furnish the dependent and control variables for those hypotheses that are evaluated in the 1715-1815 period. The project is made up of four datasets. One dataset is the Alliance Dataset based on Douglas Gibler's work on alliances between 1648-1815 (Gibler 2012). This dataset has alliance, alliance dyad, and alliance dyadic year versions. The second dataset is a System Membership dataset, based on the Correlates of War format and Gibler's 1999 article, for the 1715-1815 period. The main dataset is a Dyadic Dispute Dataset containing 86 militarized disputes disaggregated to their dyadic components, giving 259 dyadic militarized disputes. This contains military conflicts of the 1715-1815 period, that are well known and documented in the past, such as major power against major power wars, but also minor power-major power wars and minor power-minor power wars, that have seen less study in international relations. Crucially it contains also militarized disputes at a level lower than war, which have not been studied or compiled in past war datasets. The final dataset contains information on three sets of annual national military capabilities for the system members in the 1715-1815 period. These are population size, size of military establishment, and size of navy.

Of the four datasets, the System Membership and Alliance dataset are ready and available for use. The MID dataset has been compiled, but requires some work for replication and reliability checks. The Military Capabilities dataset is still in its infancy and requires much work still. In general the project is an ongoing work in progress. However, enough has been done that some tentative use can be made in the

confines of this manuscript. Readers should be warned that this has been to date a one-person project, and consequently there are reliability issues. The majority of the sources are secondary sources and most are in English. Nevertheless, every possible step has been taken to provide readers and users with as much information on sources, exact pages, and descriptions of the events detailed, so that anyone who wishes can replicate the data collection process. As the project continues, primary sources and more coders and collaborators should resolve the reliability issue. All the elements used in this paper from the project are going to be provided with full replication guidelines.

## UNITS OF ANALYSIS AND EVALUATIONS, HYPOTHESES

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Having detailed the dependent and independent variables I can now discuss the units of analysis and produce hypotheses from the propositions. The basic unit of analysis that will be used is the non-directed politically relevant dyad year. This is because I am interested in the onset of events within a dyad rather than on who took which action. I look at politically relevant dyads (defined as dyads of directly contiguous states and dyads with one or more major power members) , because it is these dyads that are more apt to have the type of international relations that will create a requirement for using political or military regimes to resolve issues.

The “system” will be used as the unit of analysis when the dependent variable is the count of certain events and comparison between the pre-regime system (1715-1815), the transformation period (1816-1849), the post-regime system (1850-1945), the Cold War (1946-1990), and the post-Cold War period (1991-2001).

The dyad-period will be used for evaluations of the count of military events a dyad had in each of the five periods noted above. This will only be used in the full 1715-2001 period.



The country-year will be used when the variable of interest is the onset of events within a country ,or when it is the activity of a country as a single actor.

The dispute year unit of analysis will be used when I am focusing on changes in a dispute due to external activity. The main interest here is whether a dispute crosses the war threshold or not.

For those dependent variables that are binary, taking the value 1 or 0 logistic regression will be used. For those that are counts either cross-tabulations with chi square significance tests will be used, or ordinary least squares regression, or negative binomial regression. This will be noted before the description of the findings of a model in each chapter. Predicted probabilities will be used to gauge the substantive effect if the findings do not falsify the hypothesis.

The time has come to transform explanatory propositions to evaluation hypotheses. I start with the direct association proposition.

*As the three elements of major power managerial coordination accumulate there should be a decrease in the use of military force in the international system.*

This proposition produces the following hypotheses

***H1: Increasing managerial major power coordination should be negatively associated with the onset of originator Militarized Disputes in a politically relevant dyad year in the 1816-2001(1715-1815,1715-2001) period.***

This hypothesis compares politically relevant dyad years based on the variation in the intensity of major power coordination as captured by the major power coordination intensity scale and the proclivity of that same political relevant dyad year to experience the onset of militarized disputes. The model used is a logistical model for the statistical effect, and predicted probabilities for the substantive effect. There are 86197 politically relevant dyad years in the 1816-2001 period. There are 2491 dyadic MID onsets. Remember that I exclude joiner vs. joiner dyads.

***H2: If a politically relevant dyad experienced a dyadic militarized dispute onset, increasing managerial major power coordination should be negatively associated with a dispute escalating to war in the 1816-2001(1715-1815,1715-2001) period.***

This hypothesis compares dyadic disputes that remained lower level MIDs at their onset to dyadic disputes that became wars at their onset. Since all wars begin as lower level MIDs, this compares MIDs that did not escalate to war to those that did. The model used is a logistical model for the statistical effect, and predicted probabilities for the substantive effect. There are 2491 dyadic disputes onsets in the 1816-2001 period, of which 220 are wars.

***H3: Increasing antagonistic major power coordination should be positively associated with the onset of militarized interstate disputes in a politically relevant dyad year in the 1715-1815 period.***

This hypothesis evaluates the reverse of H1 for the 1715-1815 period that never saw a managerial coordination regime. I expect that international relations in that period are conflict inducing with the more antagonistic periods of major power interaction fueling the fires of war. The hypothesis compares politically relevant dyad years on the basis of whether major power interaction was simply adversarial or reached antagonistic coordination. The model used is a logistic model for the statistical effect and predicted probabilities for the substantive effect. There are 257 originator dyadic disputes in the 1715-1815 period. There are also 9897 politically relevant dyad years in the 1715-1816 period.

***H4: Politically Relevant Dyads should have experienced more disputes in the 1715-1815 period compared to the 1850-1945 period, in which they should have more disputes than in the 1946-1990, in which they should have more disputes than in the 1991-2001 period, in which they should have more disputes than in the 1816-1849 period.***

This hypothesis compares politically relevant dyads situated in different periods of the 1715-2001 temporal space, based on the volume of disputes they experienced. There are 160 politically relevant

dyads in the 1715-1815 period, There are 1857 such dyads in the 1816-2001 period for a total of 2017 dyads in the whole 1715-2001 period.

The periods are ranked according to the general quality of major power interaction that historically is associated with them, and the theoretical expectations of how that affected the proclivity of states in the period for conflict. 1715-1815, a time of little pacific regimes thus is expected to have dyads that experienced more conflict than the 1850-1945 period that saw pacific regimes even though it did not see managerial coordination. In that period in turn I expect dyads to have more disputes than in the 1946-1990 period due to the Waltzian expectation that a multipolar system will be more conflict prone than a bipolar system. In turn, I expect the dyads of the 1946-1990 period to see more disputes than 1991-2001 because of the proliferation of pacific regimes in the post-Cold War period, and the supposed pacific effects of hegemony. However, I expect that the managerial coordination regime of the 1816-1849 period will be more pacific than the post-cold war period due to the fact that while the system is hegemonic or unipolar that hegemony has not been accompanied by close major power coordination, as was the case in the Vienna congress. The models used to evaluate this hypothesis will be a cross tabulations and ordinary least square regressions. This hypothesis , as will be explained in chapter 8, also evaluates whether the usual periodization of international history used by scholars biases results due to it being based, many times without prior knowledge of this, on the intensity of major power managerial coordination.

The above hypotheses evaluate the direct association argument about the pacifism of major power managerial coordination. The next hypotheses are extracted from the theoretical propositions that posit possible mechanisms for those direct effects.

*A major power managerial coordination system is associated with a decrease in the creation of major power unilateral alliances.*

One of the mechanisms that I posit may explain a pacific association between managerial coordination and conflict onset is the curbing of antagonistic unilateralism by the major powers. This is evaluated through the following hypothesis

***H5: Increasing managerial major power coordination should be negatively associated with any major power initiating membership in at least one unilateral alliance with a minor power in a given major power country year in the 1816-2001(1715-1815,1715-2001) period.***

This is a hypothesis evaluating the denial mechanism for explain the pacific association of major power managerial coordination. The major powers deny their diplomatic and military support to minor states in the form of alliances. The expectation is that this should make it harder for states to engage in military conflict, compared to when they are offered that support.

This hypothesis compares major power country years based on the intensity of major power coordination during that year and whether a major power joined or created at least one alliance with minor powers. This excludes alliances in which all or the majority of major powers were also members, and also alliances which had two or more major power members and targeted another major power. There are 286 (out of 648) such alliances in the 1816-2001 period and 44 such alliances (out of 90) in the 1715-1815 period, for a total of 330 alliances of interest. The model will be a logistical regression for the statistical effect and predicted probabilities for the substantive effect.

The next direct proposition had to do with the discouragement mechanism of major power managerial coordination when it comes to the diffusion of conflict.

*A major power managerial coordination system is associated with a decrease in intervention by minor powers in existing conflicts.*

From it I extract the following hypothesis.

***H6: Increasing managerial major power coordination should be negatively associated with a minor power entering one or more ongoing bilateral conflict in a given year in the 1816-2001(1715-1815, 1715-2001) period.***

This hypothesis evaluates the discouragement mechanism for explaining the pacific effect of major power managerial coordination. Minor powers are discouraged by major power coordination, and their avoidance of unilateral activity from entering ongoing conflicts.

This hypothesis compares the decision of a minor state to enter an ongoing bilateral conflict based on the variation in major power managerial coordination intensity. The unit of analysis is the dispute intervention opportunity country year, which is made up of the years that a country has an opportunity to intervene in an ongoing military dispute where a politically relevant state for that country is already a member. The model used for the evaluation is a negative binomial regression model as the dependent variable is the number of ongoing disputes a state joins. In the 1816-2001 period according to the Maoz Dyadic Dispute dataset there were 1798 dyadic disputes where one of the disputants was a joiner.

The final mechanism concerns the effect of major power denial of military and financial support on the ability of minor states to accumulate the military capability required for a militarized foreign policy. The explanatory proposition stated,

*A major power managerial coordination system is associated with a decrease in the initiation of arms races among system members.*

From this proposition I extract the following hypothesis,

***H7: Increasing managerial major power coordination is negatively associated with the onset of mutual military buildups in a dyad year in the 1816-2001 period.***

This hypothesis evaluates the denial mechanism for explaining major power managerial coordination. The major powers avoid funding the military endeavors of other states in order to avoid

unilateral activity. This is a proxy hypothesis. A true evaluation would require looking at the association between the variation of major power military and economic support towards other states and the military procurement policies of said states. Since I wish to keep the general 1715-2001 theme of this paper, and since this kind of information is not readily available for the pre-1945 period, in this project I conduct a proxy evaluation.

Essentially, I assume that among the many factors that drive mutual military buildups, a liberal major power policy of support is an important one. I assume that major powers engaged in managerial coordination will be more circumspect in the giving of their “gifts”. While states have access to varied resources for fueling military buildups, the previous existence of liberal major power support that then is curtailed should have a negative association with states engaging in military buildups. Consequently this hypothesis is more one of finding indicators in support of a relationship, rather than an exact evaluation, which will have to wait for the requisite data collection.

This hypothesis compares dyad years based on the variation of the intensity of major power coordination and whether the dyad members engaged in a mutual military buildup in that dyad year. The model used is a logistic regression for statistical effect and predicted probabilities for substantive effect.

The next propositions focused on direct multilateral action by the major powers and its effect on minor power behavior. It was posited that major power managerial interventions, by acting as a tangible example of major power coordinated action to punish pariahs or contain conflicts, will make states less willing to engage in conflict out of fear of bringing such an intervention unto them.

*A major power managerial coordination system is associated with an increase of major power multilateral managerial interventions.*

*Major power managerial interventions should be associated with a decrease in the propensity of states to engage in military conflict.*

From these two propositions I extract the following hypotheses.

***H8: Increasing managerial major power coordination should be positively associated with the onset of major power managerial interventions in the 1816-2001 period.***

This hypothesis compares system years on the basis of the intensity of major power managerial coordination and the number of managerial interventions begun in each year. The model used will be a cross tabulation with chi square significance test. This hypothesis acts as a face-validity test of the scale of major power managerial coordination intensity. Something as complicated and demanding as a multilateral managerial intervention by a group of major powers should only be possible under high levels of coordination (point 3 and 4 of the scale).

***H9: The onset of a major power managerial intervention within the last decade should be negatively associated with the onset of militarized disputes by a dyad in the 1816-2001 period.***

This hypothesis evaluates the discouragement mechanism for explaining any pacific effect by major power managerial coordination. States should be less willing to engage in military conflict when they have recent experience of the major powers intervening as a group in order to resolve a dispute as they see fit.

This hypothesis compares directed politically relevant dyad years on the basis of whether or not a major power managerial intervention had taken place in the system within the prior decade and whether or not any state initiated a MID against the other dyad member. The model used is logistic regression for the statistical effect and predicted probabilities for the substantive effect.

Hypothesis 9 ends the hypotheses focusing on the theoretical propositions about the direct association of major power managerial coordination with peace. The next hypotheses focus on the two theoretical propositions that relate to the indirect, fostering pacific associations of major power

managerial coordination. These are the associations with the process of democratization within states, and the fostering of international organizations.

The proposition about the fostering association with the trend towards democracy states,

*A major power managerial coordination system is associated with the democratization of domestic political systems of system members.*

From it, I extract the following hypotheses,

***H10: Increasing managerial major power coordination has a positive association with increased participation, competitiveness and executive constraints within a polity in the 1800-2001 period.***

This hypothesis compares country years based on the variation in the intensity of major power managerial coordination, and whether the country experienced a significant political change towards democratization as operationalized using polity scores. The model used is a logistic regression for the statistical effect and predicted probabilities for the substantive effect. The form of the hypotheses is due to the use of the Polity IV data in order to capture the dependent effect. While usually scholars assume that polity scores show democracy the reality is that Polity measures three elements of political behavior; participation, competitiveness and executive constraints, that are not necessarily the same thing as democracy. That said increases in these three elements make a political system closer to the liberal democratic ideal.

***H11: Increasing managerial major power coordination has a positive association with the enactment of a constitution within a given country year in the 1789-2001 period.***

This hypothesis compares country years based on the variation in the intensity of major power managerial coordination and whether a country saw the onset of a constitution in the country year. The model used is a logistic regression for the statistical effect and predicted probabilities for the substantive effect. Just as in the case of the previous hypothesis, the dependent variable is not necessarily democratic.



However, the enactment of written constitutions denotes an important point in the path towards democracy as an early form of limits on the arbitrary power of rulers. More importantly Schroeder argues that the Vienna System had a positive effect on democracy due to the constitution-granting bias of the legitimist rulers. I wish to evaluate that argument.

The final hypothesis operationalizes the proposition about the relationship between major power managerial coordination and the creation of IGOs. The proposition reads

*A major power managerial coordination system is associated with an increase in the number and membership of intergovernmental organizations in the system.*

From it I extract the following hypothesis

***H12: Increasing managerial major power coordination should be positively associated with the possibility of a state entering an IGO either as a founding or subsequent member in a given year in the 1816-2001 period.***

This hypothesis compares country years based on the variation in major power managerial coordination intensity and the decision of a state to take part in the creation of an IGO in a given year, or to become a member of a preexisting IGO. State membership in IGOs is taken from MTOPs. From 13045 country years, 1250 saw ascension to at least one IGO membership.

The above hypothesis completes the transformation of the theoretical propositions of chapter 3 to testable hypotheses. However for proper evaluations there is a need for controlling for a bevy of factors that may condition or cause the pacific associations I am trying to evaluate. The next section looks at control variables.

Each part of this section covers a control variable. In parentheses next to the variable name is the name of the dependent variables it is used for. It is usual in political science to cite Achen's "Rule of three" (or ART) stipulation against too many control variables in any one model (Achen 2002: 446). While I am sympathetic to the issues raised against the inclusion of too many control variables, I will not be following that rule in this project. First of all, the rule of three cautions at throwing into models variables that are associated with the dependent variables but not also with the independent variables. Only those variables that could have a causal effect on both the dependent and independent variable need to be controlled for. For each variable used I try to explain why it may have such an effect. That said, it should be understood that because most models in the project evaluate the effect of a "structural" variable on dyadic outcomes, the models will have to include both possible alternative "structural" variables but also dyadic level controls. While in the case of the first category I can obey the stipulation that the variable must affect both the dependent and independent variable, this is impossible for many of the exclusively dyadic variables. This is an unavoidable result of the "mixed" level of analysis research design used.

Second, the purpose of this paper is not to "prove" that major power managerial coordination is the cause of peace. Instead I wish to find indications that support the argument that major power managerial coordination is an important component of any explanation for peace in international relations. More important at this point is to show that any association of major power managerial coordination with peace is not spurious or caused by other variables. Because of that the more precise statistical evaluations that Achen calls for are not the goal. Instead a model with multiple confounding variables is more useful in order to evaluate if indications exist that major power managerial coordination has a possible positive association with peace. Once that is done, then one must focus on more specific,

precise, and sophisticated research designs for the specific causal relationships. I do make sure not to include highly correlated variables in the same model (the issue only arose once as explained later).

Finally one control variable, sensitivity, serves an important role in harmonizing the “systemic” independent variable with the mostly dyadic dependent variables. I begin my discussion of control variables with it.<sup>38</sup>

***Monadic and Dyadic Sensitivity to major power activity (MID onset; War onset; Increases in participation, competitiveness, executive constraints; Constitutionalism; Mutual Military Buildups; Alliance Ascension; Ongoing Dispute Joiner; IGO ascension; Number of Wars-MIDs in dyad period)***

In the literature review I noted that one issue that limited research on the pacific influence of major power managerial coordination was the problem of integrating a system level variable in a dyadic research design. This is a problem because for two reasons the dyad is the proper unit of analysis for evaluating the effect of systemic variables on conflict. First, the dyad of states is the minimum unit in which interstate military interaction takes place. It is states that fight wars and militarized disputes, not systems, and they fight them against each other (Pollins 1996). To say that a variable, systemic or dyadic, has a positive influence on peace it must be shown that it has that effect on the locus of the decision for war and peace, the dyad. Second, a system level research design runs into the issue of a small sample size, a *n* of 186 observations for the 1816-2001 period, far too few for robust econometric or statistical analysis.

Despite the above, there still remains a technical issue that must be surmounted when trying to use systemic variables in a dyadic research design. This is the fact that systemic variables are generated by a different process than dyadic variables. Systemic variables, under the conception of the system in this paper, are the production of a network of states. Dyadic outcomes are typically the production of the

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<sup>38</sup> There are many other possible problems with linear models like the ones used in this project, many detailed in Schrodtt 2010. The author apologizes for not being able to address all of them in this project.

activity of two states. What is needed is a way to “transform”, to use electrician language, the process by which the system variable influences international relations at the structural level, to the dyadic setting.

In this paper the key to this transformation is the sensitivity to major power activity variable. This variable rests on the assumption that a state, or dyad of states, will be more sensitive to system variables that are generated by major power activity the more sensitive they are to the general activity of those major powers. The closer to the *loci* of major power activity a state is the more it will be influenced by system variables produced by major power activity even if that activity is not directly targeted at them. The reverse also holds.

To create the sensitivity variable I look at whether a state scores at least 1 in each of the following categories of possible relationship with a major power, weighted for importance in the sense that some relationships force states to be more attentive to major power activity compared to others. These are; a state has a major power neighbor (1), the state had been in a MID with a major power in the last five years (1), a neighbor of the state had been in a MID with a major power in the last five years (0.75), the state was an ally of a major power in the last five years (0.50), a neighbor of the state was an ally of a major power in the last five years (0.25).

Depending on the dependent variable of interest, I add the score of those categories that are not in danger of being collinear to the dependent variable together and the resulting number is the sensitivity of a state to major power activity.<sup>39</sup> The higher the number, the more sensitive a state is to major power activity and the more it will be influenced by systemic variables generated by major power activity. To create a measure for the sensitivity of a dyad I average the monadic sensitivity scores of the two dyad members. To “transform” a system variable to a dyadic research design all that is needed is to interact it with the sensitivity variable of the dyad. That measure is then lagged 1 year. I use the graphs developed by Frederick Boehmke in order to interpret the interactions created by this procedure (2008).

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<sup>39</sup> For example if I am interested in the effect of major power sensitivity on the decision of states to enter alliances I live out the “allied to major power” score.

***Dyadic Democracy (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

Democratic politics pose an alternative argument both at the systemic and dyadic level. On the dyadic level, dyadic democracy has been found to have a powerful pacific effect on MID onset and the escalation of disputes to war. I control for it via a binary variable that takes the value 1 if dyadic democracy existed and 0 if it did not. A state is considered a democracy in a system year if it has a polity score of 6 and above according to the Polity IV dataset (Marshall & Jaggers 2010). While the Polity score threshold of 6 is arbitrary, it is the one customarily used to indicate the advent of democracy. Unlike other variables this one cannot be considered as having a causal effect on major power managerial coordination. However, because of the towering stature it has in the study of conflict, controlling for its effect is necessary at this basic level where I primarily wish to show that managerial coordination has a pacific association with dependent variables irrespective of other pacific variables. From 86197 politically relevant dyad years, 12193 are dyadic democracy years.

***Proportion of major powers that are democratic (MID onset; War onset; Increases in participation, competitiveness, executive constraints; Constitutionalism; Mutual Military Buildups; Alliance Ascension; Ongoing Dispute Joiner; IGO ascension; Number of Wars-MIDs in dyad period)***

On a systemic level there is an argument that as the number of major powers that are democracies increases, international relations become more peace inducing as those major powers either promote democratization (Narizny 2012), pacific norms and regimes (Mitchell 2002; Maoz 2004), or are more able to deter aggressors (Russett and Starr 2000:112-113; Biddle and Long 2004). In this case the variable could be producing both managerial coordination since one may argue that democratic major powers will be better able to coordinate, and the dependent variable. To control for this I use the previous variable to create a proportion of democratic major powers to all major powers variable. This variable ranges from 0 to .75 in the 1816 to 2001 period. As a structural variable I interact it with sensitivity.

***Monadic Democracy (Dispute entry; Alliance Ascension; Ongoing Dispute Joiner; IGO ascension)***

A dummy variable created by the states Polity score which takes the value of 0 if the state is not a democracy and takes the value 1 if it is. Of 13045 country years in the 1816-2001 period, 3250 meet this condition.

***Dyadic Military Capability Distribution (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

On a dyadic level there have been multiple indicators that capability ratio parity may have an adverse effect on peace (Bremer 1992; Geller 1993 ;Kugler and Lemke 1996; Colaresi 2001). To control for that I use the lagged ratio of national capabilities between the two states of a dyad.<sup>40</sup> This variable ranges from 0 to 11.7 in the 1816-2001 period. This variable is not one that can be considered as having a causal effect on managerial coordination.

***Preponderance (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

This is a dummy variable that takes the value of 1 if the ratio of a dyadic military capability is equal to or greater than 0.33 which indicates a one to three preponderance in capabilities by one dyad member over the other. Since the 1 to 3 ratio is considered as the usual ratio for a successful attack, I consider it as a sign of military preponderance by a state in a dyad. Preponderance is generally considered as a peace inducing characteristics, even if under some conditions it can be quite war inducing. Of 86197 politically relevant dyad years in the 1816-2001 period, 51882 saw one member of the dyad being preponderant over the other. Because this and the previous control variables are highly correlated they are not used together in a model.

***Capability Concentration (MID onset; War onset; Mutual Military Buildups)***

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<sup>40</sup> Created using the National Military Capabilities Dataset of COW for the 1816-2001 period and the new 1715-1815 NMC dataset for the 1715-1815 era.

The level of concentration of the distribution capabilities in major powers, how tight or loose the “balance of power” is, has been found to be associated with the variation in the onset of war within a system (Geller 1992). It can also be argued that it could influence the quality of managerial coordination as certain distributions of capability may be more conducive to coordination. To control for that effect I use the capability concentration variable produced by Eugene v.3203 (Bennett and Stam 2000). In the 1816-2001 period this variable ranges from .22084 to .419246.

***Shared Alliance (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

This is a dummy variable that takes the value of 1 if the two states are allied in the year and 0 if they are not. It can also be lagged a year. This variable controls for the possibility of shared alliances causing war between the member states (Ray 1990). One view, championed by Vasquez, sees shared alliances as indications of groups of states that have an increased probability of engaging in conflict. The alliance is either a “grouping” strategy, used to restrict the other state’s foreign policy or an attempt at appeasement. What is important is that the alliance indicates a pair of state that has active interstate relations and thus issues at contention. This variable cannot be seen as affecting managerial coordination, expect for major power dyads.

In the 1816-2001 period I use the ATOP dataset to locate alliance memberships. In the 1715-1815 period I use a dataset created on the basis of Gibler’s work (1999,2010). In the 1816-2001 period of 86197 politically relevant dyad years, 18873 saw at least one shared alliance between dyad members.

***Number of Outside Alliances in dyad period (Number of Wars-MIDs in dyad period)***

The number of alliances the dyad members had in each period of the dyads existence. This is compiled using ATOP for 1816-2001, and the 1715-1815 Alliance dataset for the pre-1815 period. In the 1816-2001 period this variable ranges from 0 to 42. The argument is that the existence of third parties may negatively affect the pacific resolution of issues in a dyadic relationship. The more outside alliances

the members of a dyad have the higher the possibility of issues becoming intractable due to issue linkages or unwillingness to compromise due to expected allied support. This variable cannot be argued to have an effect on managerial coordination.

***At least one outside alliance or non-aggression pact (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

This is a dummy variable that takes the value of 1 if any of the two states of a dyad have at least one alliance with a state outside the dyad. This variable captures the deterrent, or war inducing effects of outside alliances. Reliable alliances tend to deter war (Smith 1996), but at the same time they increase the possibility of conflict by encouraging allied brinkmanship. The other view expressed by Alistair Smith is that alliances, especially those with *casus foederis* clauses, are more apt to lead an ally to join its confederate in war, and also help manage their issues (Leeds, Long and Mitchell 2000). In general depending on their context, Leeds *et al* found that alliances can have a deterring and war-inducing effect. Gibler and Vasquez found that major power alliances are among the most war-inducing types (1998).

To control for the effect of outside alliances in the 1816-2001 period I use the ATOP dataset to differentiate between non-aggression pacts (a generally soft and thus not very reliable form of alliance) and offensive/defensive alliances. I then code two binary variables, one for the presence of at least one outside non-aggression pact and one for the presence of at least one outside offensive/defensive alliance in the dyad. Another variable will control for whether there is at least one major power outside alliance, a strong war inducing factor (Gibler and Vasquez 1998). In the 1816-2001 period of 86197 politically relevant dyad years there are 79060 years with at least one outside alliance (excluding non-aggression pacts), 1559 with at least one outside alliance of the non-aggression pact type, and 47329 years were those alliances were with third party major powers. The outside major power alliance variable can be argued to have an effect on managerial coordination, as multiple unilateral major power alliances can undermine any managerial endeavors by the major powers.



***Number of ongoing conflicts with third parties (alliance ascension; ongoing dispute joiner)***

This variable is a count variable of the number of ongoing conflicts a state has in a given year. It is a control variable for the decision of a state to enter an alliance. More militant states may also be more apt to find themselves engaged in new disputes. The number is coded using the Maoz Dyadic Dispute Dataset for the 1816-2001 period.

***Number of Shared IGO membership (MID onset; War onset; Mutual Military Buildups)***

This is a count variable of the number of shared memberships in IGOs the states of a dyad share. It is expected that the more IGO memberships dyad members share the more pacific their relationship will be (Maoz et al 2006). The information is taken from the MTOPs dataset. In the 1816-2001 period, of 86197 politically relevant dyad years, 65446 saw at least one shared dyad membership in a MTOPs IGO. The existence of shared IGO membership can be argued to affect managerial coordination in that an institutions rich international environment may make coordination more likely.

***Peace Years and Splines (MID onset; War onset; Increases in participation, competitiveness, executive constraints; Constitutionalism; Mutual Military Buildups; Alliance Ascension; Ongoing Dispute Joiner)***

This variable controls for temporal autocorrelation. See Beck, Katz and Tucker (1998) for justification. Beyond the peace years version, I also create similar variables for binary dependent variables where past instances of an event may affect the future instance of an event.

***Preponderant Power Sea Power- Preponderant Sea Power Year (MID onset; War onset; Mutual Military Buildups; Alliance Ascension; Ongoing Dispute Joiner; IGO ascension; Number of Wars-MIDs in dyad period)***

This variable captures the pacific effect that may be derived from a situation where the strongest major power in the system is a sea power. According to Levy and Thompson (2011), other major powers

are less threatened by a preponderant sea power as opposed to a land power. This may make it easier for such major powers to initiate or support managerial activity. It can also lead to more pacific outcomes since a preponderant sea-power may use its non-threatening strength to help resolve issues among dyads of states. The variable takes the value of 1 if a sea power predominated according to Levy and Thompson using their 50% lead threshold ( 2011: 27). Otherwise it takes the value of 0. In the 1715-2001 period those periods are 1720-1724 (UK), 1810-1834 (UK), 1855-1859 (UK) and 1945-2001 (US). In the 1816-2001 period of 86197 politically relevant dyads years, 55949 were during periods where there was a preponderant sea power, and 20950 politically relevant dyad years saw one member being a preponderant sea power.

#### ***Territorial Dispute (War Onset)***

This denotes that the militarized dispute was over territory. Huth (1996), Vasquez (1993) and others have long stipulated that territorial disputes are more prone to become wars, compared to other issues. When looking at the effect of managerial coordination on war onset, I control for the negative effect of territorial disputes. I do so by a dummy variable that takes the value of 1 if the dispute is over territory and 0 if it is not. For the 1816-2001 period I rely on the revision type variable from the Maoz Dyadic Dispute dataset. For the 1715-1815 period I rely on the issue variable of the 1715-1815 MID dataset. In the 1816-2001 period there were 1017 MID onsets that were territorial disputes. In the 1715-1815 period there were 124.

#### ***Dyadic Nuclear Arms (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

The ownership by both sides of nuclear weapons is a powerful condition for the avoidance of war. However it may also be a dispute inducing condition if one accepts the stability-instability paradox argument (Kapur 2005). To control for this effect a binary variable is used. It takes the value of 1 if both states in the dyad have nuclear weapons and 0 if they do not. The list of nuclear armed states is taken

from public sources. In the 1816-2001 period, 731 politically relevant dyad years saw both dyad members being nuclear states. This variable cannot be argued as having an effect on managerial coordination.

***Monadic Nuclear Arms (MID onset; War onset; Mutual Military Buildups; Alliance Ascension; Ongoing Dispute Joiner; Number of Wars-MIDs in dyad period)***

The ownership of nuclear arms by only one member of a dyad can be a conflict inducing variable. The nuclear armed state may use its nuclear weapons as a shield from the repercussions of a militarized policy towards the non-nuclear dyad member. The non-nuclear member may try to balance the nuclear acquisition by seeking an outside ally which is a war-inducing choice. This variable controls for these conflict inducing effects. It takes the value of 1 if only one member of a dyad has nuclear weapons and 0 otherwise. In the 1816-2001 period, 34286 politically relevant dyad years saw only one dyad member having nuclear weapons. This variable cannot be argued to have an effect on managerial coordination.

***Rivalry (Mutual Military Buildups)***

This variable captures the effect of a conflict dominated relationship between two states on the initiation of arms races. Diehl and Goertz (2000) and Klein *et al* (2006) have showed that most wars happen in a rivalry condition. The variable takes the value of 1 if by the Klein *et al* (2006) categorization two states were rivals and 0 if they were not for the 1816-2001 period. Since there is no rivalry data for the 1715-1815 period I instead code the variable as 1 if two states in that period had 3 or more militarized disputes within a 30 year period. In the 1816-2001 period, there are 5613 dyad years that were also rivalry years. This variable cannot be considered as having an effect on managerial coordination.

***Strategic Rivalry (MID onset; War onset; Mutual Military Buildups; Number of Wars-MIDs in dyad period)***

This variable captures the effect of a protected state of enmity between two states on the possibility of conflict initiation and arms race initiation, as argued by Colaresi *et al* (2008). It takes the

value of 1 if two states were strategic rivals according to Thompson and Dreyer (2012) and a value of 0 if they were not. This variable is coded for the whole 1715-2001 period. In the 1816-1999 period there are 6060 politically relevant dyad years that were also strategic rivalry years. This variable cannot be argued of having an effect on managerial coordination.

***Logged energy consumption (Increases in participation, competitiveness, executive constraints; Constitutionalism)***

This is a proxy variable for the economic development of a country which positively affects democratization (Pickering and Peceny 2006). It is used to control for the influence of economic development when evaluating the effect of managerial coordination on increases in participation, competitiveness, and executive constraints within a state. This variable is taken from the COW NMC dataset. It is a count variable coded for the 1816-2001 period. This varies from a minimum of .10 to a maximum 15.5. This variable cannot be considered as having an effect on managerial coordination.

***State Age (Increases in participation, competitiveness, executive constraints; Constitutionalism; IGO ascension)***

States that have existed for a long time may be more able to transition to democracy or constitutionalism than states that are relatively young. Social and political institutions have had the chance to mature and the elites of a state may have found a *modus vivendi* based on long tradition that makes political competition less deadly and permits contemplating opening a system. This variable is coded as a count of years a state existed in the system starting from 1648. This information is taken from the COW state membership dataset for the 1816-2001 period and Gibler's dataset for state membership between 1648-1815. States that existed before 1816 are given an initial age based on their state age in the 1715-1815 period. For the 1816-2001 period this varies from a minimum of 1 to a maximum of 285.

***Civil War (Increases in participation, competitiveness, executive constraints; Constitutionalism; IGO ascension)***

This variable captures the negative effect of an ongoing civil war on a country's ability to democratize. It is coded 1 if a country year was a civil war year and 0 if it was not. It is coded using the COW intrastate conflict dataset for the 1816-2001 period. In the 1816-2001 period of 13045 country years, 883 saw civil wars.

***Number Preexistent International Organization in Region (IGO ascension)***

I expect states that are in regions where international organizations exist and a state does not need to create it, to be more willing to accede to the organization than if it would need to be a founding member. To code this I use the MTOP dataset.

***Absolute Volume of Trade (IGO ascension)***

States with considerable economic international activity should be more willing to accede to international organizations. To code this information we use the COW Trade Data (v.30) for the 1870-2001 period.

***Number of Ongoing Disputes in a states politically relevant neighborhood (ongoing dispute joiner)***

A state that has more disputes going on in its politically relevant neighborhood has a larger pool of possible MIDs to join, which increases the possibility that it will join an ongoing MID. This is a control for opportunity. It is coded using the Maoz Dyadic Dispute Dataset.

***Major Power Dyad/State is Major Power (War Onset; MID Onset; Number of MIDs and Wars in Dyad Period, Mutual Military Buildups)***

Major powers are among the main war-fighters of international history. This variable controls for that fact. It also permits me to see if the effect of managerial coordination on the participating major powers is different from that on other states of the international system. For the 1816-2001 period I used the COW Major Power list, and for 1715-1815 Gibler's list (1999)

### **By Dyad Clustered Standard Errors**

To control for panel autocorrelation I used clustered standard errors for all tests using a dyadic year unit of analysis.

### **Selection Model**

A point that must be addressed is possible endogeneity due to the link between MID onset and war escalation. The issue here is that the factors that cause militarized disputes can also cause them to go to war. Thus, the absence of war may be due to the absence of factors that cause militarized disputes instead of the amelioration of the factors that cause war by major power managerial coordination. The rarity of endogeneity in the study of military conflict has been partly addressed by previous studies (Braithwaite and Lemke 2011; Senese 2005). To make sure this project is not an exception I ran a probit two stage selection model, in which the first stage is MID onset and the second state is war onset. The findings do not indicate selection.

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## **CONCLUSION**

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In this chapter I presented the research design for the empirical evaluations that will be conducted in this project. The novel scale of major power managerial coordination intensity is the tool that will permit me to evaluate the relationship between managerial coordination and peace. Twelve testable hypotheses were extracted from the explanatory proposition. Some of them evaluate the direct association between major power managerial coordination and military conflict. Others evaluate potential mechanisms for explaining any negative association, based on the denial and discouragement concepts. Finally, a set of hypothesis evaluate the possible association of managerial coordination with other pacifying factors in international relations.

Because of the mixed level research design used in this project, where a structural variable is evaluated for its effect on dyadic and monadic variables, a large number of control variables are presented. While this is not optimal it is necessary and I defended my decision to include them. I also briefly discussed the new 1715-1815 Militarized Dispute Dataset that permits me to evaluate the argument of this paper across the 1715-2001 period. That said each chapter that follows may contain further discussions of research design issues where those are needed. This is especially the case with the evaluation of Hypothesis 4 due to the dyad-period design used.

In the next two chapters, I present the empirical evaluations for those hypotheses that are pertinent to the 1816-2001 period. Chapter 5 presents the evaluations of the basic relationship between increasing major power managerial coordination and the onset of war and MIDs. Chapter 6 presents the evaluations of the hypotheses concerning the mechanisms that could explain any relationship found in the evaluations presented in Chapter 5. It also presents the evaluations of the indirect influence of managerial coordination in international relations.

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# CHAPTER 5: THE TRANSFORMED SYSTEM, 1816-2001

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## INTRODUCTION

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From November 1814 to June 1815 the representatives and heads of states of the four major powers of Europe that had defeated Napoleonic France; the United Kingdom, Russia, Prussia and Austria, forged a new regime for the management of European international relations. Founded on consultation through the regular Vienna system congresses, multilateralism in the form of the Quadruple Alliance (later to indirectly include Royalist France), and an avoidance after 1818 of antagonistic major power alliances, the Vienna system was an attempt to transform European politics. The goal, as Paul Schroeder explains, was a very egoistical one; to avoid the dangers that the Napoleonic wars had created for the elite power structures of the European states (1994). Contrary to popular opinion, those dangers were not just seen as the result of jacobin radicalism. War itself, once a “simple” tool for princes, was now conceived as a dangerous tool (Esdaile 2007). Consequently the diplomatic leaders of the four major powers came to Vienna with the goal of making the world safe for their monarchs. And that demanded a limit on the use of war as a tool for resolving issues.

The Vienna system worked admirably. For the 30 years that the system was active, the major powers avoided a war between themselves. The military actions of the era: the Anglo- Franco-Austrian interventions of 1820-1822 in Spain, Portugal, and Italy against regimes that had come to power by violence, the Belgian War of Independence of 1830, the interventions against Mohamed Ali in the near east, where all actions coordinated between the major powers. At the same time the system fostered the beginnings of the institutionalization of international politics in the form of the Rhine Commission.



More importantly, despite its illiberal character, the system did advance the idea of responsible government through the ideology of legitimism which argued that government is justified by its efficiency and lack of arbitrariness rather than divine right, an idea typically enshrined in a monarch bestowed constitution. This is not to claim that absolutist monarchs did not seek to circumvent the stipulations of legitimist constitutions especially after the ascension to the Russian throne of Nicholas I. But it would be a fallacy to ignore that British and Austrian tolerance, and at times support for peaceful reforms, and the limits that the concert system put on Nicholas's I rabid anti-liberalism, helped provide the foundations for the liberal revival in Europe after the 1850s. These effects helped form a more peaceful system after 1816, elements of which survived the bloody fields of Crimea. This chapter will focus on the long-standing pacific influence of the attempts of major powers to engage in transformative managerial coordination from 1816 to 2001.

The chapter is organized as follows. I present the findings from the empirical evaluations of those hypotheses for the 1816-2001 period. In this chapter I present the evaluation of hypotheses 1 and 2, whether increasing major power managerial coordination has a negative association with the onset of interstate military conflict, whether in the form of war or militarized interstate disputes. For each hypothesis I will be presenting models including the dependent and independent variables by themselves, with interactions, and a final full model with all those control variables that remained significant after being included by themselves in a model with the independent variable and all interactions. For models showing the behavior of control variables outside of full multivariate models please refer to the Statistical Appendix. A discussion of the general behavior of all control variables will be provided in footnotes, beyond the discussion of their behavior in the models presented in the chapter. I will also be presenting predicted probabilities based on the full models to better capture the potency of the variables.

Some clarification of terms is needed here. When I refer to the term increasing managerial major power coordination in the hypothesis, I mean the increasing accumulation of major power engagement in consultation, multilateralism and the avoidance of adversarial alliances in pursuit of cooperation. As these

behaviors accumulate major power coordination reaches higher points on the intensity scale. The four points of the scale should be seen as thresholds which are reached when enough major powers partake in activities that bring about the existence of one or more of the three elements. Thus the distance between the points contains attempts at major power coordination that either due to a lack of numbers or lack of activity has not yet reached the next threshold. When I write of increasing major power managerial coordination I mean the upward trend of major power behavior that passes higher thresholds on the scale. I do not mean just specific points on the scale.

The word level and point level on scale the scale of major power managerial coordination intensity is used interchangeably.

## THE ASSOCIATION BETWEEN MAJOR POWER MANAGERIAL COORDINATION AND PEACE

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The first thing that must be established is whether there is indeed an association between increasing managerial major power coordination and a decrease in the onset of military conflict. Hypotheses 1 and 2 focus on this question. Hypothesis 1 argues that increasing managerial major power coordination should have a statistically significant negative association with the onset of militarized interstate disputes between politically relevant dyads in the 1816-2001 period. Hypothesis 2 makes the same argument of a negative association but with the likelihood that a dyadic dispute will be a war.

***Hypothesis 1: Increasing managerial major power coordination should be negatively associated with the onset of originator Militarized Disputes in a politically relevant dyad year in the 1816-2001 period.***

I begin with some very simple evaluations. The correlation between the scale of major power managerial coordination and mid onset is negative (-0.04). When I cross tabulate the points of the scale with the number of politically relevant dyad years with MID onsets per point, I get the results of table 5.1.

Table 5.1 Cross-Tabulation of Scale of Major Power Managerial Coordination and politically relevant dyad years with MID Onset, 1816-2001

Scale Point	Number of Years with MID onset (% of total per point))	Total Number of Politically Relevant Dyad Years in Point.
4	431 (2.2)%	19,787
3	518 (2.5%)	26,211
2	518(2.7%)	19,380
1	881(4, 2%)	20,819
Pearson chi2(3) = 190.8133 Pr = 0.000		

The results of the table indicate that as major power managerial coordination reaches higher points of the scale this is associated with a smaller percentage of the politically relevant dyad years that fall within that point being years of mid onset. *Prima facie* this provides some indications that hypothesis 1 is not falsified.

More robust indicators are provided by the findings of the logistic regression. The evaluations of hypothesis 1 failed to falsify the hypothesis. Increasing managerial major power coordination has a negative and statistically significant association with MID onset. In Table 5.2 below, I present the models showing the effect of increasing major power managerial coordination when included by it-self, with controls for the sensitivity of dyads to major power activity, interacted with sensitivity and with peace years. Considering that this is one of the first quantitative evaluations of the relationship between major power managerial coordination and MID onset, this is novel information about international politics.

The results of the evaluations indicate the following. An increasing managerial coordination between the major powers is negatively associated with MID onset. This negative association holds whether a dyad has high sensitivity to major power activity or low sensitivity to major power activity, as shown by the behavior of the scale variable and the interaction variable (Model III and V).

Table 5.2 Logit Model of Major Power Managerial Coordination on MID Onset 1816-2001

MID Onset 1816-2001	Model I	Model II	Model III	Model IV	Model V
Scale of Major Power Coordination	-0.233 (0.031)***	-0.236 (0.032)***	-0.174 (0.058)**	-0.186 (0.026)***	-0.101 (0.044)*
Lagged Dyadic Sensitivity		-0.085 (0.154)	0.171 (0.242)		0.359 (0.174)*
Scale* Sensitivity			-0.113 (0.085)		-0.139 (0.063)*
Peace Years				-0.325 (0.017)***	-0.399 (0.019)***
_cons	-2.964 (0.093)***	-2.905 (0.130)***	-3.048 (0.178)***	-1.393 (0.100)***	-1.304 (0.152)***
N	86,197	83,926	83,926	86,197	83,926
L1	-11,149.13	-10,893.51	-10,890.79	-9,946.47	-9,515.49
Chi2	55.23	53.70	56.90	977.77	1,185.16
R2_P	0.01	0.01	0.01	0.11	0.13

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ Note: Standard Errors Clustered by Dyad; Splines used but not shown<sup>41</sup>

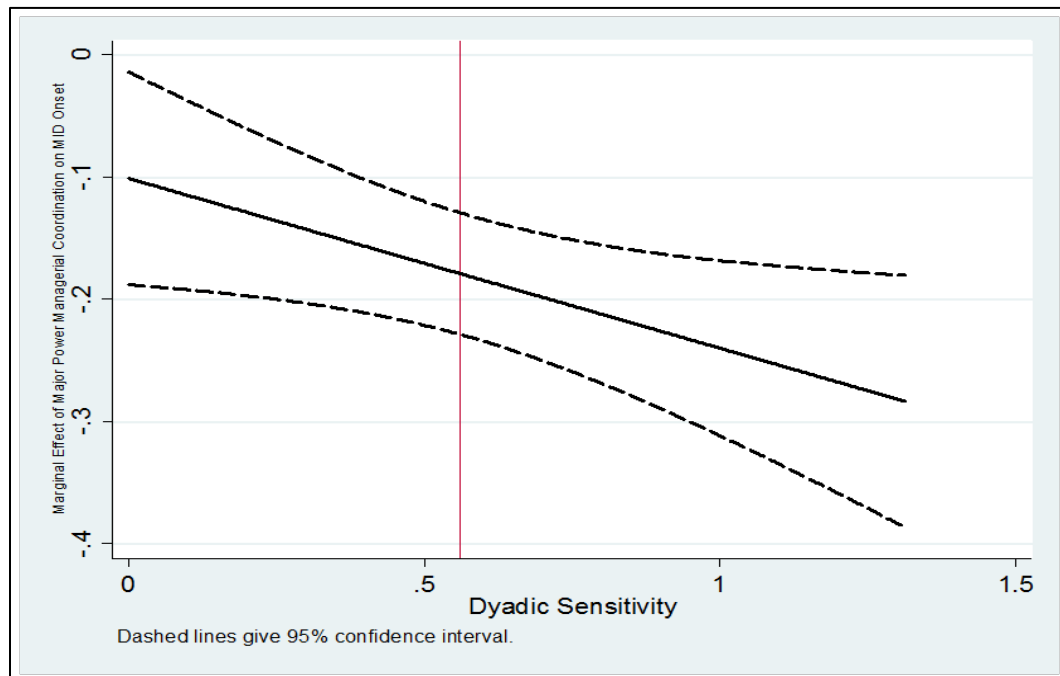
I remind the reader that sensitivity is how much major power activity a state, or its politically relevant neighborhood, has experienced in the last five year period. It captures how sensitive states are to major power decisions, and thus how likely they are to be influenced by major power behavior. The behavior of the interaction variable reinforces the relationship between sensitivity and coordination with MID onset. Figure 5.1 displays the marginal effect of increasing managerial major power coordination on MID onset for various values of sensitivity.

Figure 5.1 indicates that for all values of sensitivity, increasing managerial major power coordination has a negative marginal effect on mid onset. This effect becomes stronger as sensitivity

<sup>41</sup> As a robustness check I also ran the models with peace years squared and cubed instead of splines. The results did not show significant differences. The main difference is that in the models with the interaction the p-value for the scale variable went from 0.023 to 0.080 and that 120 failures and 0 successes were determined.

increases, which means that as dyads are closer to the *foci* of major power activity the negative association of managerial coordination and MID onset becomes stronger. However, even relatively insulated states may not be able to avoid any possible pacific influence of managerial coordination on MID onset.

Figure 5.1 The interaction of major power managerial coordination and sensitivity



This negative and statistically significant association remains despite the inclusion of control variables. Table 5.3 presents four models that contain all the control variables that remained significant after been included individually in models with the scale of major power managerial coordination variable, sensitivity variable, interaction of scale and sensitivity variable, and peace years control. One set of models are with the preponderance variable, while the other with the lagged relative power variable. These are kept separate due to high correlation. One model in each set is with interactions for structural variables for sensitivity, while the other is without. Because the data on strategic rivalry goes only to 1999 the models are only for the 1816-1999 period, that said running the models without strategic rivalry did not change the results.

Table 5.3 Logit of Major power managerial coordination on MID Onset with control variables, 1816-1999

MID Onset 1816-1999	Model 1	Model 2	Model 3	Model 4
Scale of mjr. power coordination	-0.206 (0.026)***	-0.136 (0.044)**	-0.210 (0.026)***	-0.140 (0.044)**
Lagged dyadic Sensitivity	0.230 (0.087)**	0.074 (0.207)	0.268 (0.088)**	0.130 (0.206)
Proportion of mjr.powers that are democracies	0.764 (0.179)***	0.162 (0.330)	0.719 (0.175)***	0.146 (0.330)
Lagged relative Power	-0.168 (0.024)***	-0.170 (0.024)***		
Dyad members are nuclear powers	0.443 (0.245)	0.417 (0.246)	0.493 (0.252)	0.470 (0.254)
One member has nuclear weapons	-0.158 (0.112)	-0.155 (0.111)	-0.273 (0.110)*	-0.269 (0.109)*
Allied to each Other	-0.087 (0.074)	-0.079 (0.074)	-0.058 (0.074)	-0.049 (0.075)
At least one outside ally non aggression pact	0.331 (0.227)	0.337 (0.227)	0.374 (0.232)	0.380 (0.232)
Shared IGO membership	0.067 (0.021)**	0.072 (0.021)***	0.077 (0.019)***	0.082 (0.020)***
Strategic Rivalry	1.271 (0.098)***	1.270 (0.098)***	1.394 (0.094)***	1.397 (0.095)***
Peace Years	-0.299 (0.016)***	-0.298 (0.016)***	-0.301 (0.016)***	-0.301 (0.016)***
Scale* Sensitivity		-0.116 (0.059)*		-0.115 (0.060)
Proportion* Sensitivity		0.852 (0.361)*		0.814 (0.361)*
Preponderance			-0.444 (0.096)***	-0.446 (0.096)***
_cons	-1.788 (0.166)***	-1.649 (0.205)***	-2.080 (0.155)***	-1.959 (0.197)***
N	80,651	80,651	80,810	80,810
L1	-8,611.47	-8,604.76	-8,662.44	-8,656.25
Chi2	2,308.13	2,390.74	2,364.69	2,454.86
R2_P	0.19	0.19	0.19	0.19

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Errors clustered by dyad; Splines used but not shown

The models of Table 5.3 do not falsify the hypothesis. Despite the large number of control variables that survived the evaluation process in order to be included in the final models, increasing managerial major power coordination continues to have a statistically significant negative association

with MID onset.<sup>42</sup> If one was to study the graphs for the marginal effect of major power managerial coordination on mid onset for the various values of sensitivity, the behavior of the interaction is identical to that of Figure 5.1 (graphs not shown).

What is the substantive effect? In Figure 5.2 I present the behavior of the predicted probabilities of mid onset under different treatments of the managerial coordination variable. The model this is based on is Model 4 of Table 5.3. The base predicted probability is based on a scenario where managerial coordination is set to point 1 of the scale and where all binary variables are set to median and all continuous to mean.<sup>43</sup>

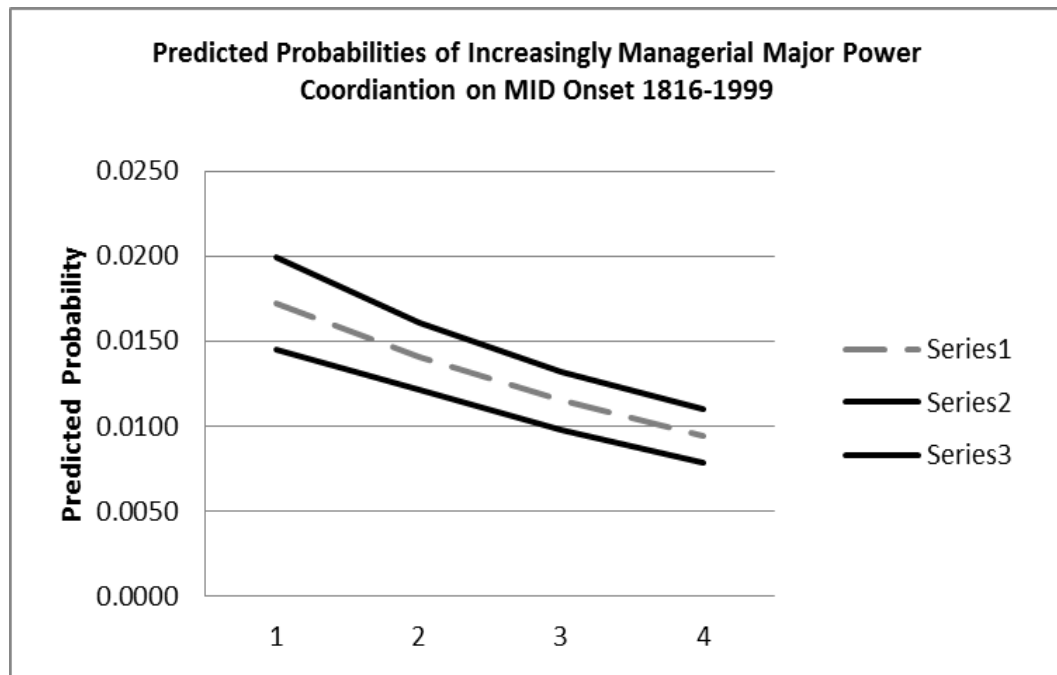
The figure indicates that as managerial coordination by the major powers reaches higher points on the scale the predicted probability of MID onset decreases. Indeed going from point 1 to point 4 decreases the predicted probability of MID onset by .0078 from .0172 to .0094 ( by about 45%).

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<sup>42</sup> Of the control variable the following can be said (in parentheses the table in the statistical appendix where the evaluation process for this variable is presented): An increasing proportion of democratic major powers has a statistically significant positive association with MID onset. This is a robust relationship (2). It may be explained by the tensions created in a system populated by increasingly powerful democratic states and non-democratic states. As the value of the Lagged-Relative Power increases (i.e as a dyad becomes more asymmetric) this has a negative association with MID Onset. This is a robust relationship (5). If a dyad has a distribution of capabilities that gives a member a 3-1 advantage, or preponderance, that has a statistically significant negative association with MID onset. This is a robust relationship (6). If both states have nuclear weapons this has an insignificant positive association with MID onset. This relationship is due to the presence of other control variables (6). If only one member of a dyad has nuclear weapons this has a tenuous statistically significant negative association with MID onset. This relationship is stronger when other control variables are absent (7). Being allied to each other has a statistically insignificant negative association with MID onset. This is due to the presence of the other control variables (7). Having at least one outside alliance that is a non-aggression pact has a statistically insignificant positive association with MID onset. This is due to the other control variables (9). Shared IGO membership has a positive statistically significant association with MID onset. This is a robust association (10). This may be due to selection in that states that tend to have disputes will also be states that enter international organizations in order to find alternative conflict resolutions mechanisms. Strategic Rivalry has a positive and statistically significant association with MID onset. This is a robust relationship (10). The following variables did not have a robust statistically significant effect during the evaluation process and were not included in Table 3: Sea Power year (4), System Concentration (3), Dyadic Democracy (5), At least one outside ally (any type) (8), At least one outside ally (excluding non-aggression pacts)(8), Outside Major Power ally (9), Dyad Member is a preponderant sea power (11).

<sup>43</sup> The values of the variables are as follows: Proportion of Democratic Major Powers= .497, Proportion of Democratic Major Powers \* Dyadic Sensitivity= .2599, Lagged Dyadic Sensitivity=.5612876, Preponderance=1, Nuclear Weapons Dyad=0, One member of dyad has nuclear weapons=0, Allied to each other =0, At least one outside alliance-non-aggression pact =0, Shared IGO membership =1, Strategic Rivalry=1, Peace Years=27.41.

Figure 5.2 Predicted Probability of MID Onset 1816-1999



For comparison going from a preponderant capability distribution to non-preponderant capability distribution in a dyad decreases the predicted probability of MID onset by .0098 from .0267 to .0172, a comparable amount.

#### *Conclusion for Hypothesis 1*

The empirical evaluation reported above failed to falsify the hypothesis that increasing major power managerial coordination is negatively associated with MID onset. While this does not prove causation (we have to wait for the mechanism hypothesis to speak of the possibility of that), it does indicate that peace is more probable when the major powers are actively coordinating their policies with the goal of fostering cooperation. More importantly of all the systemic variables presented major power managerial coordination had the clearest and most robust association even when taking into consideration the sensitivity of dyads to major power activity. This evaluation should have shown the wisdom of taking into consideration the way in which systemic variables affect states when looking at the effect of those variables. The effect of the systemic variables changed depending on how sensitive dyads of states were to major power activity, something that tells us that the effect on states of variables such as polarity,



major power promotion of ideologies and so on can be conditioned by how easy it is for major powers to reach and influence a state, as opposed to having a generally equidistant effect.

The next hypothesis looks at is the association between increasing managerial major power coordination and war onset. The argument is that such an association will be negative.

***Hypothesis 2: If a politically relevant dyad experienced a dyadic militarized dispute, increasing managerial major power coordination should be negatively associated with the escalation of a MID to war in the 1816-2001 period.***

This hypothesis argued that there should be a negative statistically significant association between increasing managerial major power coordination and war onset. This is a relationship long argued and various measures of major power behavior, like Wallensteen's particularism-universalism, have been negatively associated with war onset. However, as noted in the literature review, those previous measures had some problems that the scale of major power managerial coordination hopefully avoids. Let me begin with some simple statistics. War onset and the scale of major power managerial coordination have a negative correlation (-0.1086). Table 5.4 presents the cross tabulation of dyadic disputes that were war onsets with the points of the scale of major power managerial coordination.

The results of Table 5.4 indicate an interesting dynamic. From point 2 to point 4 the behavior of the cross tabulations indicate a negative association between increases in managerial coordination and war onset. But point 1, the lowest and most adversarial kind of major power coordination is less associated with war-onset than point 2 (which still is not cooperative). I am at a loss of explaining this. But whether it will actually lead to the falsification of the hypothesis is a question best left for more sophisticated analysis.

Table 5.4 Cross Tabulation of Dyadic Disputes that escalated to War with the Scale of Major Power Managerial Coordination

Scale	Dyadic Disputes that escalated to War (% of total)	Total Dyadic Disputes
4	16(3.8%)	431
3	34(5.3%)	645
2	72(14%)	518
1	96(11%)	881
Pearson chi2(3) = 45.4811 Pr = 0.000		

The results of Table 5.5 present logistic regression of the behavior of the scale variable when it is included by itself and with the control variables for sensitivity and temporal autocorrelation.

Table 5.5 Logit of Major Power Managerial Coordination on War Onset 1816-2001

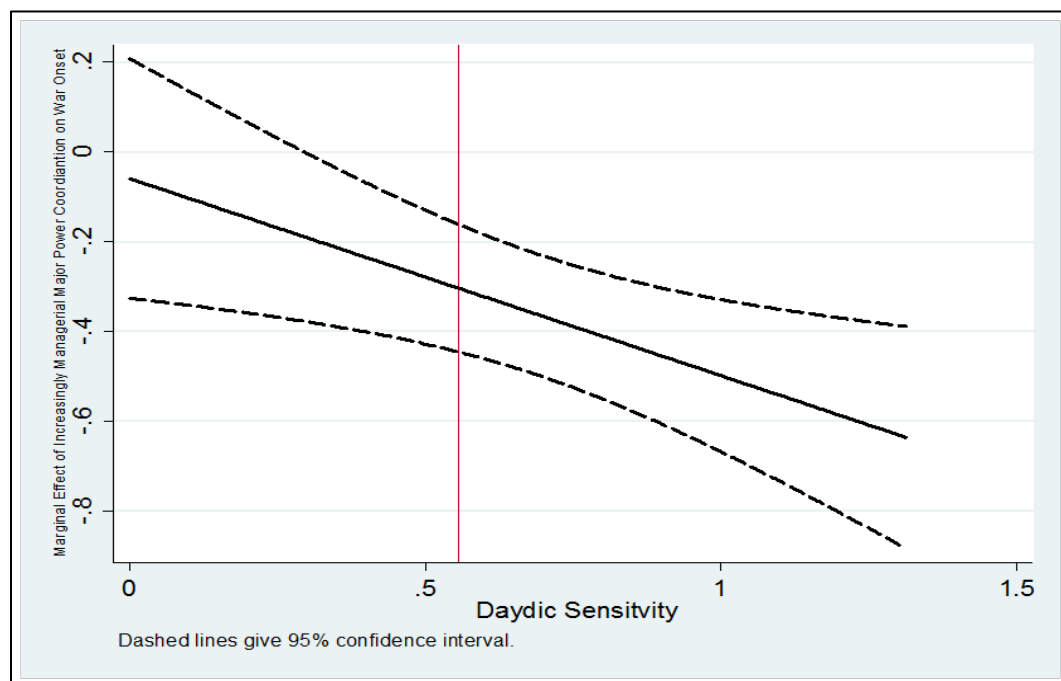
War Onset	Mode I	Model 2	Model 3	Model 4	Model 5
Scale of major power coordination	-0.369 (0.062)***	-0.367 (0.067)***	-0.094 (0.135)	-0.355 (0.065)***	-0.060 (0.136)
Lagged dyadic sensitivity		1.013 (0.196)***	1.801 (0.426)***		1.876 (0.429)***
Scale* Sensitivity			-0.395 (0.167)*		-0.439 (0.170)**
Peace years				-0.081 (0.024)***	-0.058 (0.025)*
_cons	-1.574 (0.147)***	-2.337 (0.190)***	-2.902 (0.347)***	-1.267 (0.162)***	-2.711 (0.354)***
N	2,475	2,421	2,421	2,475	2,421
Ll	-722.51	-645.27	-642.54	-711.94	-637.48
Chi2	34.83	47.05	60.32	54.52	73.48
R2_P	0.02	0.05	0.05	0.03	0.06

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors Clustered by Dyad; Splines used but not presented

The findings in the table indicate that increasing managerial major power coordination has a statistically significant negative association with war onset.<sup>44</sup> However, Models 3 and 5 indicate that when we take dyad sensitivity to major power activity into account the negative association does not hold for the 20 % of dyadic disputes that were in dyads that have zero sensitivity to major power activity. Unlike MID onset where sensitivity did not have a decisive impact, in the case of war onset how close or far a dyad is from the *foci* of major power activity is important. Figure 5.3 presents the graph showing the marginal effect of increases in the scale of major power managerial coordination on war onset for the various values of sensitivity.

Figure 5.3 Marginal Effect of Major Power Managerial Coordination on War Onset for values of sensitivity, 1816-2001



The figure tells the same story as the table. For sensitivity taking the value of 0 the marginal effect of increasing managerial major power coordination is 0. As sensitivity increases that marginal

<sup>44</sup> As a robustness check I ran Model 5 with peace years squared and cubed instead of splines. The results were not different.

effect becomes more powerful. Since only a minority of dyadic disputes took place in dyads that had 0 sensitivity, I would argue that the findings do not falsify the hypothesis.

Table 5.6 presents the findings when I include control variables. The first Model contains all control variables that survived the evaluation process. Because of the limited data on strategic rivalries this model only covers the 1816-1999 period.

Table 5.6 Logistic Regression of Increasing Managerial Major Power Coordination on War Onset

War Onset	Model I	Model II	Model III
Scale of major power Coordination	-0.353 (0.088)***	-0.318 (0.083)***	-0.014 (0.162)
Lagged dyadic Sensitivity	0.657 (0.208)**	0.657 (0.200)**	0.345 (2.233)
Proportion of major powers that are democracies	-1.675 (0.457)***	-1.604 (0.456)***	-0.135 (0.837)
System Concentration	1.223 (2.881)	0.402 (2.816)	-0.863 (4.667)
Lagged relative Power	-0.067 (0.057)	-0.097 (0.049)*	-0.073 (0.059)
System year with preponderant sea power	-0.936 (0.217)***	-0.989 (0.220)***	-1.081 (0.230)***
One member has nuclear weapons	-0.296 (0.358)	-0.021 (0.329)	-0.054 (0.349)
Democratic Dyad	-0.493 (0.409)	-0.568 (0.402)	-0.439 (0.410)
Territorial Dispute	1.422 (0.339)***	1.424 (0.337)***	1.406 (0.341)***
Strategic Rivalry	0.134 (0.206)		0.153 (0.212)
Shared IGO membership	0.019 (0.055)	0.008 (0.054)	-0.040 (0.061)
Peace years	-0.045 (0.027)	-0.049 (0.026)	-0.043 (0.028)
Scale*Sensitivity			-0.567 (0.204)**
System Concentration*Sensitivity			6.376 (6.316)
Proportion of M.P. that are Dem.*Sensitivity			-1.959 (0.957)*
_cons	-2.328 (1.135)*	-1.994 (1.119)	-2.825 (1.819)
N	2,352	2,419	2,352
L1	-561.49	-578.09	-552.36
Chi2	125.33	132.58	140.89
R2_P	0.15	0.15	0.17

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad; Splines used but not presented

The second model drops that variable in order to expand to the whole 1816-2001 period. There are no major differences between it and the previous model. The final model includes the interactions with sensitivity for the structural variables for the 1816-1999 period.<sup>45</sup>

The findings presented in the table are encouraging. Increasing managerial major power coordination has a negative association with war onset. This holds for all dyadic disputes except for those between dyads that have zero sensitivity to major power activity (20% of dyadic disputes were between such dyads). This does not falsify the hypothesis. Increasing Managerial major power coordination has a negative association with war onset for most dyads in the system.<sup>46</sup> More importantly including this structural variables in a model wipes out any statistically significant association between dyadic democracy and war onset, which questions the democratic peace and gives some credence to scholars like Kevin Narizny who attribute it to structural factors like major power action (2012).

What of the substantive effect? I calculate predicted probabilities based on the Model III of Table 6, for the 1816-1999 period. Figure 5.4 presents the behavior of the predicted probability of war onset under different treatments of the scale variable. The base scenario is based on coordination set to point 1, all binary variables at their median and all continuous at their mean.<sup>47</sup> The figure shows a decreasing predicted probability for war onset as the scale of major power managerial coordination increases. Going

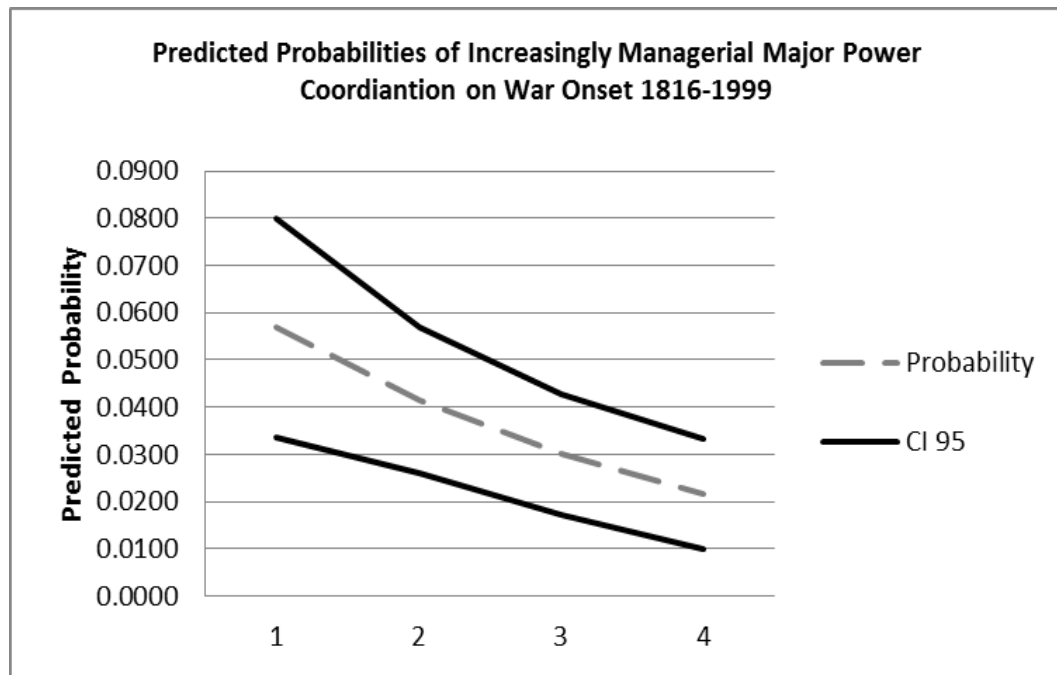
<sup>45</sup> For robustness reasons I ran this model also using peace years squared and cubed instead of splines. There were no significant differences in results.

<sup>46</sup> When it comes to the control variables the following can be said: An increasing proportion of major powers that are democratic states has a statistically significant negative association with war onset. This is a robust relationship (13). Increasing System Concentration does not have a statistically significant effect of war onset. This is due to the other control variables (13). Increasing disparity in the lagged relative power of a dyad has a tenuous negative association with war onset. This is due to the presence of the other control variables (14). Having a preponderant sea power present in a system has a statistically significant negative association with war onset (14). One dyad member having nuclear weapons does not have a statistically significant association with war onset. This is due to the other control variables (16). Being a democratic dyad does not have a statistically significant association with war onset. This is due to the other control variables (16). Being a territorial dispute has a statistically significant positive association with war onset. This is a robust relationship (17). Strategic Rivalry does not have a statistically significant association with war onset. This is due to the other control variables (20). Shared IGO membership does not have a statistically significant association with war onset. This is due to the other control variables (19). The following variables failed to pass the evaluation process and thus be included in the final model: Preponderance (15), allied to each other (17), at least one outside alliance (17), at least one outside ally excluding non-aggression pacts (18), at least one outside ally is a major power (19), preponderant sea power dyad member (20).

<sup>47</sup> The variables take these values, Lagged Dyadic Sensitivity=.561, Proportion of Democratic Major Power=.500, System Concentration=.300, lagged relative power=2.15, Preponderant Sea Power Year =1, One dyad member has nukes= 0, Dyadic Democracy=1, Territorial Disputes=1, Strategic Rivalry= 0, Shared IGO=1.

from point 1 of the scale to point 2 decreases the predicted probability of war onset by .0351 from .0586 to .0217 (by about 62%). For comparison going from the absence of dyadic democracy to the presence of dyadic democracy decreases the predicted probability of war onset by .0212 from .0586 to .0374.

Figure 5.4 Predicted Probability of War Onset 1816-1999



#### *Conclusion to hypothesis 2*

The findings presented in the previous figures and tables indicate that there is a non-trivial association between increasing major power managerial coordination and dyadic disputes not being wars. This is not as clear or as strong a relationship as that between major power managerial coordination and MID onset and is more conditioned on the sensitivity of states to major power activity, but it is a significant one. Furthermore the variable outperforms important dyadic pacific variables like dyadic democracy. Indeed the structural variables outperform dyadic variables when it comes to explaining the avoidance of war.

The evaluation of the two hypotheses, 1 and 2, indicate that there is indeed an association between increasing managerial major power coordination and peace in the 1816-2001 period. Whether there is a causal element to this association may only be ascertained by hypotheses evaluating possible mechanisms through which major power managerial coordination pacifies state relations. The next section of this chapter tackles those hypotheses for the 1816-2001 period.

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## CONCLUSION TO CHAPTER 5

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In this chapter I presented the findings from the evaluation of hypotheses 1 and 2 in the 1816-2001 period. This is the period during and after the transformation of international politics brought about by major power managerial coordination. The two hypotheses evaluated the basic relationship between increasing managerial coordination and the onset of interstate war and militarized interstate disputes. The following were determined:

- Increasing Managerial Major Power Coordination has a robust negative association with MID and War onset among dyads in the 1816-2001 period.
- Controlling for sensitivity to major power activity is paramount when looking at the effect of structural variables produced by major power interaction.

The above findings bode well for major power managerial coordination as a building block for a more peaceful world. However, the question arises of how exactly does managerial coordination affect the willingness of states and dyads of state to use military force? In the next chapter I evaluate the two primary mechanisms suggested as possible explanations for this negative relationship between managerial coordination and interstate military conflict onset. These are the denial and discouragement.

Furthermore if the only influence of managerial coordination is one of pacification, then the transformation thesis is not as radical as argued. Consequently I also look at whether major power managerial coordination has an influence on the process that leads states to becoming democracies, and

the creation of international organizations. Both of these phenomena are elements of modernity, and a positive influence of managerial coordination on them, would provide further indicators for the validity of the transformation thesis.



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## CHAPTER 6: MECHANISMS AND BROADER INFLUENCE, 1816-2001

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### INTRODUCTION

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In this chapter I present the findings on the mechanisms hypotheses, those that evaluate possible relationships that can explain the associations of hypotheses 1 and 2. Those mechanisms fall either into the category of denial, in which major powers deny other states their diplomatic or material support for the actions that lead to violence onset, or discouragement in which case major powers try to dissuade states from taking some action. Hypotheses 5 and 7 fit the denial category, while hypotheses 6, 8 and 9 fit the discouragement category. Finally, I will present and discuss the evaluations of the indirect fostering hypotheses, those that look at the fostering effect of major power managerial coordination on pacific variables such as constitutionalism, political changes towards democracy and international organization memberships. These are hypotheses 10, 11 and 12.

For each hypothesis I will be presenting models including the dependent and independent variables by themselves, with interactions, and a final full model with all those control variables that remained significant after being included by themselves in a model with the independent variable and all interactions. For models showing the behavior of control variables outside of full multivariate models please refer to the Statistical Appendix. A discussion of the general behavior of all control variables during the evaluation process will be provided in footnotes, beyond the discussion of their behavior in the models presented in the chapter. I will also be presenting predicted probabilities based on the full models to better capture the subjective effects of the variables.

## THE MECHANISMS THROUGH WHICH MANAGERIAL COORDINATION FOSTERS PEACE

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This section focuses on those hypotheses that provide arguments for the mechanisms through which major power managerial coordination has the negative association with conflict onset that was established in the previous section. The hypotheses can be grouped into two broad groups. One group represents the denial argument in which increasing major power managerial coordination is associated with major powers avoiding actions, such as alliances or arms transfers, that provide states with material and diplomatic support that makes the use of military force a preferred option for resolving issues. Hypotheses 5 and 7 fit this category. The other group of hypotheses evaluates the discouragement argument in which certain actions taken by the major powers deter minor powers from taking conflict inducing actions. Hypotheses 6, 8 and 9, belong to this group.

***Hypothesis 5: Increasing managerial major power coordination should be negatively associated with major power initiating membership in at least one unilateral alliance with a minor power in a given major power country year in the 1816-2001 period.***

This hypothesis presents the argument that one of the main ways in which high major power coordination fosters peace is by denying states the support of major powers in the form of alliances. More specifically, the argument is that increasing major power managerial coordination will see major powers less willing to enter unilateral alliances with minor powers. These are alliances by a minority of major powers or between a major power and minor powers. They are unilateral in that they exclude the majority of major powers from membership. In the 1816-2001 period there are 272 alliances that fit this definition. Table 6.1 shows the findings of the base models that evaluate the relationship without control variables beyond the monadic version of sensitivity. I remind the reader that in this hypothesis the unit of analysis is the major power country year.

The Models of Table 1 indicate the following. Increasing managerial major power coordination has a negative and statistically significant association with the ascension of major powers into unilateral alliances.

Table 6.1 Major Power Managerial Coordination and Ascension to Unilateral Alliances

Major Power Unilateral Alliance Ascension 1816-2001	Model I	Model II	Model III
Scale of major power coordination	-0.205 (0.080)*	-0.185 (0.082)*	-0.854 (0.236)***
Monadic sensitivity		0.302 (0.106)**	-0.456 (0.265)
Scale*Sensitivity			0.346 (0.112)**
_cons	-0.931 (0.193)***	-1.554 (0.297)***	-0.083 (0.549)
<i>N</i>	1,085	1,080	1,080
Log-Likelihood	-536.82	-530.11	-525.25
LR chi2	6.67	15.08	24.81
Pseudo R2	0.01	0.01	0.02

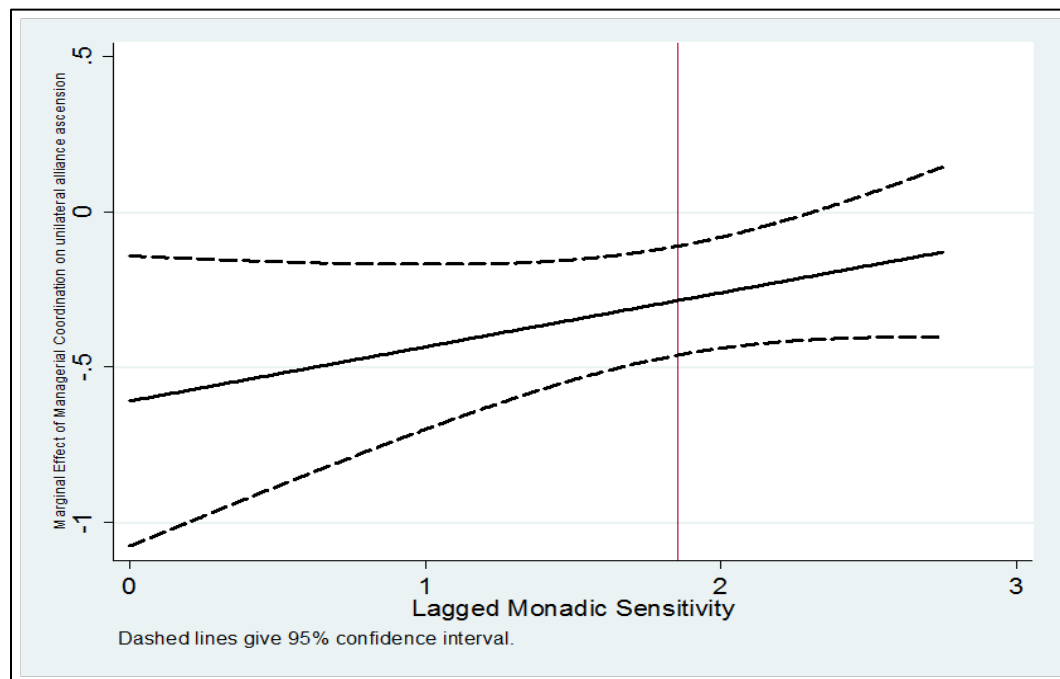
\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Model III indicates that when monadic sensitivity of a major power to other major power activity is 0 there is a negative and statistically significant association with alliance ascension (this is a very rare situation but not an impossible one. 9 out of 1085 major power country years exhibit such sensitivity). To interpret the behavior of the of the interaction variable I create a graphical representation of the marginal effect of increasing managerial major power coordination on major power ascension to unilateral alliances. Figure 6.1 has the graph.

The graph indicates that in general increasing managerial major power coordination is negatively associated with unilateral alliance ascension. Yet, the marginal effect becomes weaker as major power sensitivity to the activity of other major powers increases. Indeed at high levels of sensitivity it may even become tenuously positive. This means the following. Major powers that are more sensitive to the activity

of other major powers, essentially the European major powers, are more prone to creating unilateral alliances compared to major powers, like Japan and the US, that are less sensitive to the activity of other major powers. That said this does not negate the negative influence of increasing managerial coordination on unilateral alliance ascension.

Figure 6.1 Marginal Effect of Increasing Managerial Major Power Coordination on Major Power ascension to unilateral alliances under different levels of sensitivity.



When I include other control variables the relationship remains the same. Table 6.2 represents the model with those control variables that remained statistically significant during the evaluation process. The model in the table indicates that increasing major power managerial coordination has a statistically significant negative association with major power ascension to unilateral alliances when monadic sensitivity to major power activity is 0 (a rare situation).<sup>48</sup> Graphing the marginal effect does not produce

<sup>48</sup> the following is indicated for control variables: Being a nuclear power has a tenuous positive association with the major power ascension. This is a relationship weakened by the other control variables (43). Being a democratic major power does not have a statistically significant association with the dependent variable. This is due to the other control variables (41). Increasing system concentration does not have statistically significant association with the dependent variable. This is due to the other control variables (40).

a different story from that of Figure 6.1. These findings indicate that the evaluations fail to falsify hypothesis 5, however noting that the effect may be severely conditioned on sensitivity.

Table 6.2 Logit of Major Power Coordination on Major Power Unilateral Alliance Ascension

Major Power Unilateral Alliance Ascension 1816-2001	Model IV
Scale of major power coordination	-0.609 (0.238)*
Nuclear power	0.441 (0.226) <sup>1</sup>
Monadic sensitivity	1.743 (1.014)
Scale* Sensitivity	0.174 (0.119)
Monadic democracy	0.251 (0.167)
System concentration	9.296 (6.043)
System Con*Sensitivity	-5.825 (2.834)*
Table 6.2 (cont.)	
_cons	-3.783 (2.135)
N	1,080
Log Likelihood	-515.40
LR Chi2	44.50
Pseudo R2	0.04

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

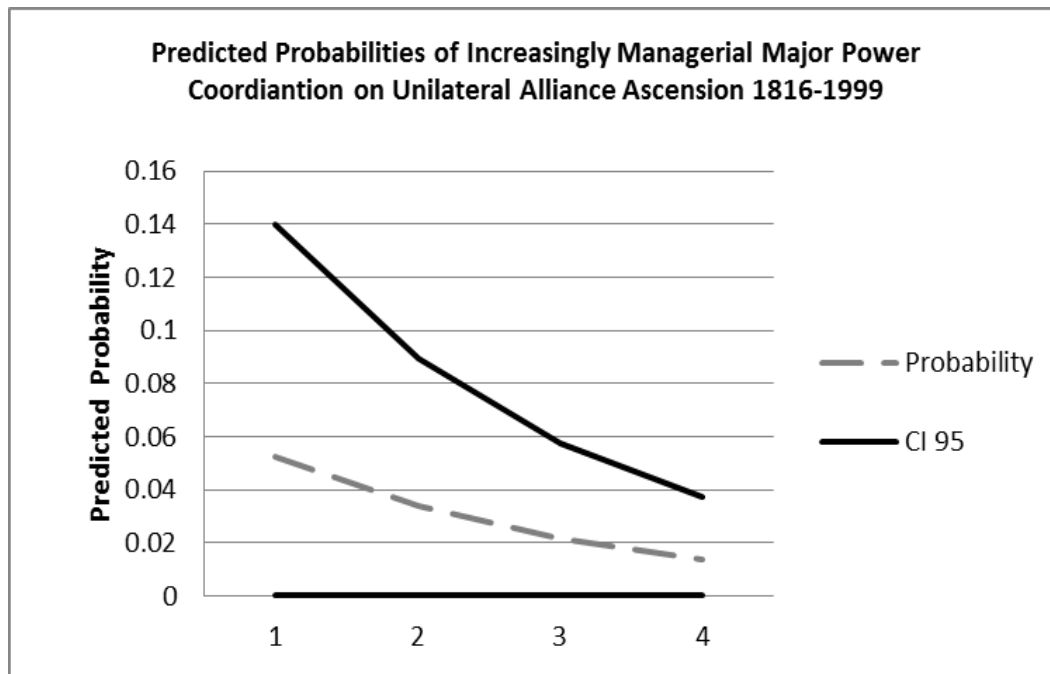
Note: (1) p-value is 0.051

What of the substantive effect? Figure 6.2 presents the graph of the behavior of the predicted probability of unilateral alliance ascension by a major power. The base scenario is where the scale of major power managerial coordination is set to 1, all continuous variables are set to the mean and all dummy variables are set to median.<sup>49</sup>

<sup>49</sup> The variables take the following values: Lagged Monadic Sensitivity .8919647, Nuclear Power =0, Monadic Democracy=1, System Concetration=.58836021.

The figure indicates that as major power managerial coordination increases the predicted probability of major power unilateral alliance ascension decreases. Reaching level 4 of coordination when all else is equal, reduces the predicted probability of alliance ascension, compared to when it is 1, by .0383 from .0522 to .0139 (by about 73%) .

Figure 6.2 Predicted Probabilities of Major Power Unilateral Alliance Ascension, 1816-2001



Note: The 0 is used in CI because Stata 10 provides predicted probabilities below 0. Now this is impossible in reality and the result of the inability of State to provide numbers between 0 and 1. That said exactly for the reason, overlapping issues are not as serious in Stata as in other methods of getting predicted probabilities.

Compare the above result to the reduction caused when I go from the state of interest being a nuclear power to not being a nuclear power. This nets a .0111 decrease from .0522 to .0411. This indicates that there is substance to the negative association between increasing managerial major power coordination and major power ascension to a unilateral alliance.

### *Conclusion on Hypothesis 5*

Hypothesis 5 which evaluates the argument that major power managerial coordination is negatively associated with major power ascension to unilateral alliances has not been falsified. This is the first mechanism hypothesis and it indicates that the explanatory focus on the unwillingness of major

powers to break the consultation and multilateralism elements of major power managerial coordination is one of the ways in which the negative association between major power managerial coordination and interstate militarized conflict can be accounted for.

By denying minor powers their support via alliances major powers deny them a resource that could make military action a more appealing course of action. This is based on the positive association found by many scholars between alliances with major powers and interstate conflict, as well as qualitative work that has shown cases where a major power alliance played a role in a country's decision to go to war. That said this does not prove causation. By itself this mechanism is not enough to sustain the association between major power managerial coordination and the avoidance of military conflict.

***Hypothesis 6: Increasing managerial major power coordination should be negatively associated with minor power entering an ongoing bilateral conflict in a given year in the 1816-2001 period.***

Hypothesis 6 takes the argument of hypothesis 5 but now focuses it on minor powers and their activity. One of the arguments made in the explanatory section is that by engaging in major power managerial coordination the major powers are providing states with indicators of a preference for the pacific management of international issues, preferably under the auspices of the major powers, and minor powers react to those incentives by avoiding the use of military force in international relations.

Since war onset and mid onset were variables in previous hypothesis, here I test a logical implication of this which is that minor powers avoid entering ongoing MIDs. This is not captured by the war onset and MID onset variable because I excluded joiner dyads from those variables. In this case the focus is on minor states becoming joiners in ongoing conflicts. If the hypothesis is not falsified this means that minor powers do tend to avoid engaging in conflict when the major powers are engaging in increasing managerial coordination. I remind readers that the unit of analysis is the opportunity to join ongoing MIDs minor power country year, which is all those country years of minor powers when a neighboring

state was engaged in a MID. The dependent variable is the number of times a country did join MIDs.

Thus I use a negative binomial regression for the evaluation.

Table 6.3 presents the following models from the evaluation process for Hypothesis 6. Models 1 to 3 present the association between major power managerial coordination and joining a MID without the sensitivity controls and with them. Model 4 presents the last full model with all variables that remained statistically significant during their evaluation process.

Table 6.3 Negative Binomial Regression of Major Power managerial coordination on how many ongoing MIDs a minor power joins.

	How many ongoing MIDs a Minor Power Joins 1816-2001	Model 1	Model 2	Model 3	Model 4
# of ongoing disputes joined	Scale of major power coordination	0.124 (0.050)*	0.280 (0.052)***	0.475 (0.074)***	0.253 (0.104)*
	Monadic sensitivity		0.726 (0.077)***	1.285 (0.176)***	1.613 (0.807)*
	Scale*Sensitivity			-0.218 (0.059)***	0.031 (0.079)
	System concentration				0.498 (2.970)
	SysCon*Sensitivity				-1.643 (1.960)
	Proportion of major powers that are democracies				1.657 (0.748)*
	Proportion*Sensitiv.				-1.547 (0.505)**
	System year with preponderant sea power				-0.389 (0.317)
	Seapower*Sensitiv.				0.171 (0.213)
	#Ongoing MIDs				0.351 (.068)***
	Ongoing MIDs that state could join				0.120 (0.008)***
	_cons	-1.916 (0.140)***	-3.061 (0.175)***	-3.623 (0.227)***	-5.875 (1.192)***
	Ln alpha	3.757 (0.053)***	3.622 (0.055)***	3.605 (0.055)***	3.007 (0.061)***
	N	11,508	11,276	11,276	11,275
	Log Likelihood	-3,596.70	-3,509.64	-3,502.92	-3,274.68
	LR Chi2	6.17	103.49	116.92	573.30
	Pseudo R2	0.00	0.01	0.02	0.08
	Alpha	42.82	37.40	36.79	20.23

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$



The findings falsify hypothesis 6. There is a positive statistical association between increasing major power managerial coordination and an increase in the number of ongoing MIDs a minor power joins. This holds even when I include monadic sensitivity.

The interaction in Model 3 provides the following information. As major power managerial coordination increases the effect of monadic sensitivity on the number of ongoing MIDs the minor power joins decreases. The behavior of the scale variable in Model 3 tells us that when monadic sensitivity is 0 (46% of cases), major power managerial coordination has a statistically significant positive association with the number of MIDs a minor power joins. Consequently Models 1-3 falsify the hypothesis. Model 4 indicates that this reverse relationship (than the one expected) is robust even in the presence of the other control variables. The interaction of scale of major power managerial coordination and monadic sensitivity ceases to be statistically significant, but each variable by itself maintains the damning association.<sup>50</sup>

What is going on here, and what does it mean for the explanatory story? The positive association between an increasing scale of major power coordination and increasing joining of minor powers into ongoing conflicts is not a positive finding for the explanatory story. However it is not a fatal one. Table 6.4 shows a cross-tabulation of the levels of the scale of major power coordination in the 1816-2001 period and the number of MIDs joined by minor powers.

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<sup>50</sup> Concerning the control variables: System Concentration does not have a statistically significant association with the number of ongoing MIDs a minor power joins. This is due to the presence of the sensitivity variable (44). An increasing proportion of major powers that are democracies has a positive association with the number of ongoing MIDs a state joins. This is due to the effect of sensitivity, as when it is not controlled for the variable has a negative statistically significant association (45). The system year being one with a preponderant sea-power does not have a statistically significant association with the dependent variable. This is due to the presence of the other control variables (46). The number of ongoing MIDs a state could join has a statistically significant positive association with the number of ongoing MIDs a state joins. This is a robust association (47). The number of ongoing MIDs a state is a participant of has a positive and statistically significant association with the number of ongoing MIDs a minor power joins. Conflict begets conflict. This is a robust association (45). Variables that did not survive the evaluation process and thus were not included in the final model: Being a nuclear state does not have a statistically significant association with the dependent variable(46).

Table 6.4 Cross Tabulation for Hypothesis 7

Joined	1	2	3	4	Total
=<10	176	103	123	142	540
11-19	17	2	0	24	43
=>20	1	3	0	4	8
Totals by period (% of total for whole period)	194 (32%)	108(18.2%)	123(20.8%)	166(28%)	591

The table indicates that the main issue is that level 3 coordination sees more minor power joins of ongoing MIDs than level 2, and fewer than level 4. Now the question is why would this be happening in scale level three? By cross tabulating the number of ongoing MIDs a state had the chance of joining and did not join with the four scale levels I find that level 3 is associated with the highest number of ongoing MIDs compared to all the other scales (3588 compared to 2854 for level 1, 2287 for level 2, and 2188 for level 3).

This does not necessarily mean that scale three causes higher MIDs. If we remember that scale 3 represents the major powers beginning to actively coordinate their policies in search of managerial solutions to issues a lot of the MIDs may be the detritus of a period of lower coordination. Furthermore, as states become more aware of the managerial intent of the major powers they may rush to resolve using military means ongoing conflicts before the major powers begin imposing resolutions. These are all suppositions that may be worth future study, but for the time being Hypothesis 6 is falsified.

#### *Conclusion on Hypothesis 6*

The fact that this hypothesis was falsified while 5 was not, indicates that the denial story may be superior to the discouragement story as an explanation of the pacific association of managerial coordination. The falsification does cast some shadows over elements of the explanatory story for the effect of major power coordination, but it does not make it wrong. But it may be that the primary pacific

effect has to do with the curtailing of major power activity rather than any major changes in minor power behavior. The next hypotheses may help shed light to the puzzle.

***Hypothesis 7: Increasing managerial major power coordination is negatively associated with the onset of mutual military buildups in a dyad year in the 1817-2000 period.***

This hypothesis is the second denial hypothesis. It captures the restriction on military buildups due to the hypothetical refusal of major powers in managerial coordination to grant military support to states seeking a military resolution to international issues. This includes minor powers, and the other major powers. Something must be said about the evaluation of this hypothesis and its character. It is not the best test due to the fact that a proper test would evaluate military material and military funds transfers from the major powers towards other states during periods of variable coordination, and then whether those transfers are associated with mutual military buildups. However, this kind of information does not exist in a form that is readily available for quantitative evaluation on a global level over time.

While one can find specific information on the arms transfers between some major powers and some other states, broader information is not readily available and would require a major project to compile (UCDP has such information but only for the post-1945 period). So this hypothesis evaluates the mechanism in an indirect manner relying on the inclusion of relevant control variables in order to provide some indicators of the relationship between increasing major power managerial coordination and mutual military buildups.

Table 6.5 presents the basic models evaluating the association between increasing managerial major power coordination and mutual military buildups in politically relevant dyads in the 1817-2000 period. The models include the controls for dyadic sensitivity to major power activity and the interaction of sensitivity with the scale of major power managerial coordination. Due to the availability of mutual military buildup information this variable is evaluated for the 1817-2000 period.

Table 6.5 Logit of Major Power Managerial Coordination on Mutual Military Buildups, 1817-2000

Mutual Military Buildup Onset 1817-2000	Model 1	Model 2	Model 3
Scale of major power coordination	-0.612 (0.040)***	-0.622 (0.040)***	-0.553 (0.073)***
Lagged dyadic Sensitivity		-0.395 (0.132)**	-0.142 (0.264)
Scale*Dyadic Sensitivity			-0.135 (0.124)
_cons	-3.297 (0.089)***	-3.056 (0.120)***	-3.191 (0.173)***
N	49,809	49,659	49,659
L1	-2,587.66	-2,568.85	-2,568.29
Chi2	237.00	251.77	243.16
R2_P	0.04	0.04	0.04

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad

The models of Table 6.5 indicate a statistically significant negative association between increasing managerial major power coordination and the onset of mutual military buildups. This does not falsify the hypothesis and is very encouraging for the denial mechanism as this is the second hypothesis derived from that concept to not be falsified. To interpret the interaction of Model 3 I graph the marginal effect of increasing managerial major power coordination on mutual military buildup onset for all values of dyadic sensitivity.

Figure 6.3 presents the graph. The figure indicates that for all values of sensitivity increasing managerial coordination has a negative effect on mutual military buildups. As sensitivity increases, that is as dyads of state become more the targets of major power activity, so does increase the negative effect of managerial coordination on mutual military buildups. This may be due to the greater ease of monitoring by major powers of dyad behavior when those dyads are close to the *loci* of major power activity. Alternatively states and dyads somewhat insulated from major power activity may have devised

alternatives to major power support for their military buildups, for example a greater reliance on domestic production.

Figure 6.3 Marginal Effect of Managerial Coordination on Mutual Military Buildups 1817-2000

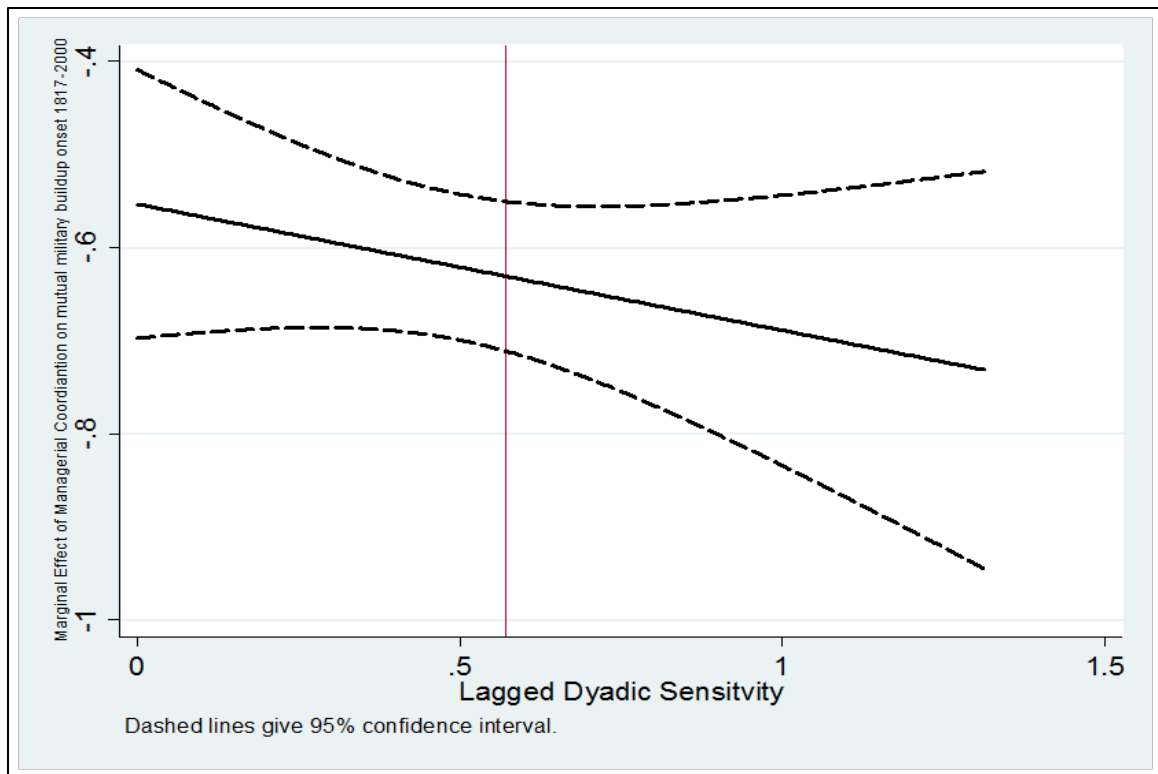


Table 6.6 shows what happens when I include those control variables that remained statistically significant in their evaluation process. Model 1 and 2 are with lagged relative power, model 3 and 4 with preponderance (the two variables cannot be put in the same model due to high correlation). Models 1 and 3 do not include interactions between structural variables and sensitivity, while 2 and 4 do.

The models of Table 6 all indicate a similar dynamic. Increasing major power managerial coordination has a statistically significant negative association with mutual military buildup onsets. Even in the face of the largest group of control variables the association remains statistically significant during the evaluation process (10 variables).

Table 6.6 Logit of Major Power Managerial Coordination on Mutual Military Buildups with Controls, 1817-1999

Mutual Military Buildups 1817-1999	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	-0.681 (0.056)***	-0.519 (0.083)***	-0.680 (0.056)***	-0.523 (0.083)***
Lagged dyadic sensitivity	-0.144 (0.147)	0.250 (1.319)	-0.103 (0.145)	0.252 (1.325)
Lagged relative power	-0.038 (0.026)	-0.042 (0.026)		
System concentration	-1.922 (1.590)	1.018 (2.562)	-1.924 (1.582)	0.930 (2.556)
One dyad member has nuclear weapons	-2.114 (0.188)***	-2.106 (0.188)***	-2.167 (0.182)***	-2.161 (0.182)***
Proportion of major powers that are democracies	1.507 (0.488)**	-1.115 (0.685)	1.431 (0.483)**	-1.166 (0.680)
At least one outside alliance non- aggression pact	-0.077 (0.263)	-0.080 (0.262)	-0.056 (0.262)	-0.058 (0.261)
At least one outside major power alliance	0.303 (0.110)**	0.282 (0.110)*	0.292 (0.110)**	0.270 (0.110)*
Shared IGO membership	0.148 (0.042)***	0.144 (0.042)***	0.158 (0.041)***	0.155 (0.042)***
System Year with preponderant sea-power	-0.222 (0.174)	0.405 (0.221)	-0.166 (0.173)	0.452 (0.219)*
Seapower* Sensitivity	-0.557 (0.221)*	-1.550 (0.317)***	-0.591 (0.222)**	-1.571 (0.316)***
Dyad member a sea-Power	-0.414 (0.126)***	-0.458 (0.127)***	-0.414 (0.126)**	-0.457 (0.127)***
Rivalry	0.243 (0.148)	0.218 (0.148)	0.259 (0.148)	0.234 (0.149)
Strategic rivalry	0.230 (0.152)	0.239 (0.154)	0.288 (0.150)	0.297 (0.151)*
Scale*Sens.		-0.266 (0.130)*		-0.256 (0.130)*
System Con. *Sensitivity		-4.731 (3.560)		-4.618 (3.573)
Proportion of Dem. Maj.Pow * Sensitivity		4.019 (0.954)***		3.980 (0.949)***
Preponderance			-0.011 (0.095)	-0.024 (0.095)
_cons	-2.681 (0.555)***	-2.812 (0.947)**	-2.808 (0.553)***	-2.915 (0.947)**
N	49,652	49,652	49,659	49,659
Ll	-2,372.51	-2,364.33	-2,373.30	-2,365.24

Table 6.6 (cont.)

Chi2	487.57	505.09	475.56	492.03
R2_P	0.11	0.11	0.11	0.11

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad

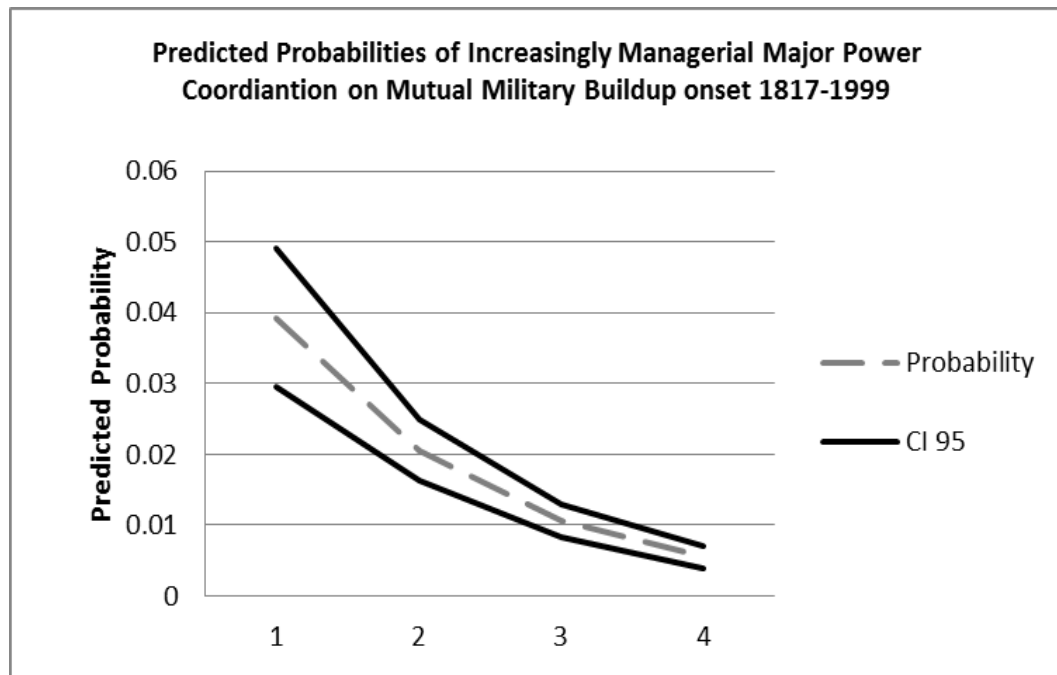
Creating a graph of the marginal effect of managerial coordination in order to interpret the interaction produces a graph similar to Figure 6.3 but with a greater negative effect (graph is not shown). The evaluation does not falsify hypothesis 7.<sup>51</sup>

What of the substantive effect? Figure 6.4 presents the graphical representation of the behavior of the predicted probability for mutual military buildup onset. The figure is based on Model 4 of Table 6.6. The base scenario is one where the scale of major power managerial coordination is set to 1, all continuous variables to their mean, and all binary variables to their median.<sup>52</sup> The figure indicates that as major power managerial coordination increases the predicted probability of mutual military buildups decreases. Going from point 1 coordination to point 4 decreases the predicted probability of mutual military buildup onset by .0039 from .0094 to .0055 (by about 41 %).

<sup>51</sup> When it comes to the control variables the following is indicated: Increases in lagged relative power do not have a statistically significant effect on mutual military buildup onset. This is due to the other control variables (22). System concentration does not have a statistically significant association with the dependent variable. This is due to the other control variables (23). One member of a dyad having nuclear weapons has a statistically significant negative association with mutual military buildup onset. This is a robust relationship (28). An increasing proportion of major powers has a statistically significant positive association with the dependent variable. This is a robust relationship (22). Having at least one outside alliance that is a non-aggression pact does not have a statistically significant association with mutual military buildup onset. This is due to the other control variables (25). Having at least one outside major power alliance has a statistically significant positive association with mutual military buildup onset. This association is due to the other control variables (26). Shared IGO membership has a statistically significant positive association with the dependent variable. This is a robust relationship (26). A system year being one with a preponderant seapower does not have a clear association with mutual military buildups. This is due to the other control variables (27). A dyad member being a preponderant sea power has a negative and statistically significant association with mutual military buildup onset. This is a robust association (27). Rivalry does not have a statistically significant association with the dependent variable. This is due to the other control variables (29). Strategic Rivalry has a tenuous positive association with mutual military buildup onset. This is weakened due to the other control variables (29). Preponderance does not have a statistically significant association with the dependent variable. This is due to the other control variables (23). Variables that did not pass the evaluation process to be included in the final model are: dyadic democracy (21), allied to each other (24), at least one outside alliance (24), at least one outside alliance excluding non-aggression pacts (25). A dyad being a nuclear dyad is a perfect predictor of failure.

<sup>52</sup> Variables are set to One Nuke =0, Outside Alliance Non-Aggression Pact=0, Outside Major Power Alliance=1, Shared pacific IGO membership= 1, Sea-power Year= 1, Sea-power dyad member=0, Strategic Rivalry=0, Rivalry=0, Preponderance= 0.612, System Concentration:0.284, proportion of major powers that are democratic= 0.6, lagged dyadic sensitivity= 0.5612.

Figure 6.4 Predicted Probability of Mutual Military Buildup 1817-1999



Compare this to going from no member of the dyad having nuclear weapons to one member of the dyad having nuclear weapons. The presence of nuclear weapons may make a dyad less likely to invest funds in military buildups. The predicted probability of mutual military buildup onset is decreased by .335 from .0383 to .0048 when one member of a dyad has nuclear weapons. Major power managerial coordination has a similar pacific effect as nuclear power when it comes to this dependent variable.

#### *Conclusion on Hypothesis 7*

The fact that both Hypothesis 5 and Hypothesis 7 were not falsified by the evaluation process indicates that the pacific association of major power managerial coordination with conflict onset is via mechanisms of denial. These are indicators that managerial coordination and the quest for major power cooperation may be associated with a decrease in the diplomatic and economic support that major powers give to other states. It should be noted though that Hypothesis 7 is a very rudimentary way to assess the relationship between major power coordination, state decisions to build up their militaries, and conflict onset. The fact that it was not falsified denotes this part of the explanatory story as one fertile for future research. The discouragement argument though still has two interlinked hypothesis that may provide



indicators of an influence on conflict onset, Hypotheses 8 and 9.

***Hypothesis 8: Increasing managerial major power coordination should be positively associated with the onset of major power managerial interventions in the 1816-2001 era.***

This hypothesis is in a manner a logical implication of the explanatory story I have presented for the effect of managerial coordination. If engaging in increasing major power managerial coordination truly helps major powers reach their goal of cooperation then the highest form of major power cooperation that has occurred in history, major power multilateral interventions, should primarily happen in the context of high major power managerial coordination. This is due to the high requirements in consultation and multilateralism that such endeavors entail.

Major powers have authorized members of a consultation system to take action against another state, as the Vienna System did with the French intervention against liberal Spain in 1823. But interventions in which more than one major power act together and act in a coordinated way are rarer, for example the Franco-British-Russian naval action against the Ottoman Empire at Navarino and afterwards during the Greek Revolution. Only 9 MIDs meet the requirements laid out in Chapter 4 to be considered major power multilateral interventions. With such a small number of cases a regression research design would be inappropriate. However the cases are still too many for a proper qualitative design which would fit in the confines of this manuscript.

Instead I rely on an intermediate research design, a cross tabulation of levels of major power managerial coordination and intervention onsets in the 1816-2001 period. To have some lever at statistical significance I use a Pearson's chi-square test. Table 6.7 presents the results of this evaluation process.

Table 6.7 Cross Tabulation of Scale of Major Power Coordination and Multilateral Intervention Onset

	<b>Scale of Major Power Coordination</b>			
<b>Major Power managerial Intervention</b>	1	2	3	4
<b>0</b>	43	60	55	20
<b>1</b>	0	0	3	6
<b>Total</b>	43	60	58	26
<b>%</b>	0%	0%	5.2%	30%
<b>Pearson chi square (3)</b>	24.1560	Pr	0.000	

The evaluation expressed in the table fails to falsify hypothesis 8. The majority of managerial interventions (6) happen during level 4 managerial coordination. A minority (3) happen during level 3 managerial coordination. No interventions happen during the lukewarm level 2 or the conflictual level 1 periods. This is a statistically significant relationship as indicated by the Chi square test.

#### *Conclusion on Hypothesis 8*

The above evaluation does not necessarily establish causal relationship between high major power managerial coordination and multilateral interventions. This would require careful case studies of the 9 interventions. However it does lead credence to the argument that major power managerial coordination is a high form of major power cooperation able to lead to activities that are normally lacking in international relations. It also opens up the space for a possible mechanism to explain the negative association between increasing managerial major power coordination and conflict onset. This is a possible discouragement effect by major power interventions on the decision of states to engage in military conflict. This is what hypothesis 9 evaluates.

***H9: The onset of a major power managerial intervention within the last decade should be negatively associated with the onset of militarized disputes in a politically relevant dyad in the 1816-2001 era.***

That major power managerial intervention happens only in the context of level 3 and level 4 coordination only tells us something about the validity of the measure of major power coordination used in this paper. Whether major power managerial interventions are part of the mechanisms that can explain the negative association between increasing managerial major power coordination and interstate conflict onset is to be seen. The story behind the hypothesized association is one of discouragement. Major Power managerial intervention makes dyads less likely to engage in military conflict due to the fear of a major power intervention with the goal of pacifying the conflict and then resolving it as per major power wishes. This hypothesis looks at the behavior of dyads of states when it comes to the onset of military interstate disputes with the independent variable being the ten year period after a major power managerial intervention. Since time erodes perceptions, this variable also has a decaying function. Thus the independent variable is really the temporally decaying shadow of a major power intervention.

Table 6.8 presents the base models evaluating the hypothesis when I only look at the bivariate relationship and take into consideration sensitivity and temporal autocorrelation as control variables.

Table 6.8 Logit regression of Major Power managerial intervention of MID onset 1816-2001

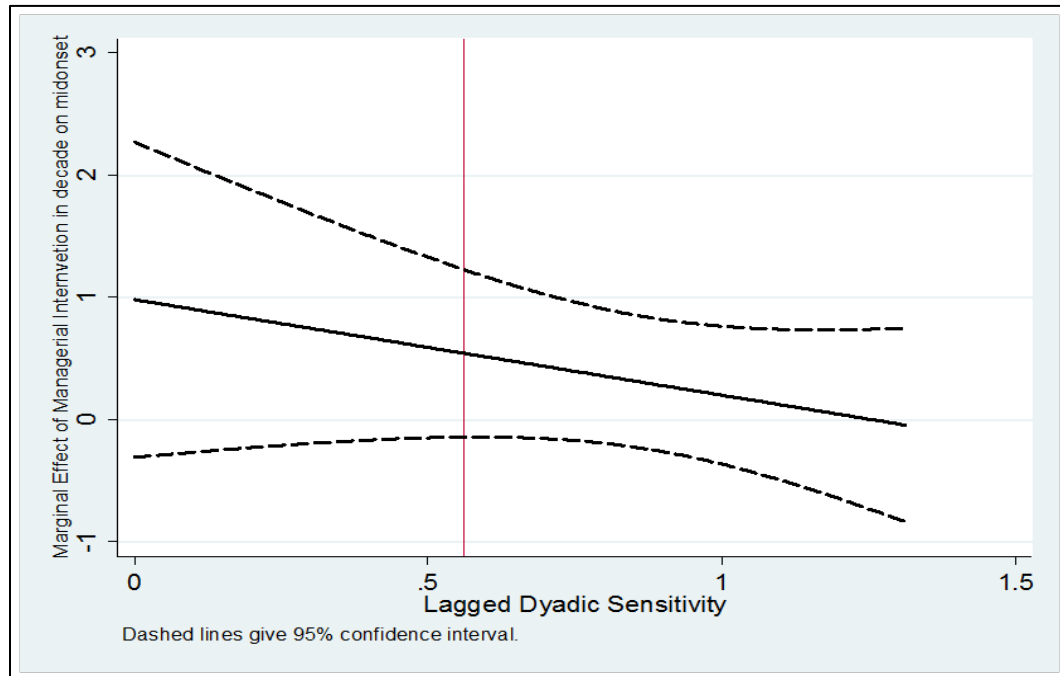
MID Onset 1816-2001	Model 1	Model 2	Model 3
Managerial intervention In last decade decaying function	2.560 (0.331)***	0.373 (0.293)	0.982 (0.657)
Lagged dyadic sensitivity		0.044 (0.112)	0.050 (0.113)
Peace years		-0.402 (0.020)***	-0.402 (0.020)***
Intervention* Sensitivity			-0.781 (0.680)
_cons	-3.544 (0.061)***	-1.548 (0.103)***	-1.551 (0.104)***
N	86,163	83,892	83,892
L1	-11,081.40	-9,453.69	-9,453.10
Chi2	59.69	1,063.99	1,081.70
R2_P	0.00	0.13	0.13

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad; Splines used but not presented

The findings falsify hypothesis 9. Having a managerial intervention happen in the last decade has either no statistical effect or a positive association with MID Onset. Figure 6.5 presents the graph of the marginal effect of a managerial intervention in the last decade on mid onset for the various values of sensitivity, used to interpret the interaction variable.

Figure 6.5 Marginal Effect of Managerial Coordination on MID Onset, 1816-2001



The graph in the figure corroborates the behavior of the variables in Table 8. Having a managerial intervention in the last decade always has a positive marginal effect on MID onset for all values of sensitivity except for the highest when it comes close to zero and has a possibility of being negative. These findings falsify hypothesis 9.

What does this finding mean for the explanatory story provided in Chapter 3? It is another indicator that the denial of resources mechanism for explaining the pacific association between increasing managerial major power coordination and the onset of military conflict is more credible than the discouragement mechanism. The positive association with MID onset may be due to several factors. States may join in on a major power managerial intervention and attack the target state. States may take

advantage of the focus of the major powers on a specific target to use military force to solve issues while major power resources are “locked” in the intervention. Finally, weaker states may instigate conflict in the hopes of forcing a major power intervention, rationalizing that a major power imposed resolution may be better than a resolution imposed on the basis of the dyadic capability distribution.

When I include other control variables the results are not changed. Table 6.9 presents the models created when I include those control variables that remained significant during their statistical evaluation process. Once more I use two models due to the high correlation between relative power and preponderance.

Table 6.9 Logit Regression of Managerial Intervention on MID onset with Controls 1816-1999

MID Onset 1816-2001	Model 1	Model 2	Model 3	Model 4
Managerial intervention in last decade decaying function	-0.028 (0.342)	1.387 (0.583)*	-0.085 (0.345)	1.305 (0.584)*
Lagged dyadic sensitivity	0.209 (0.090)*	1.616 (0.509)**	0.166 (0.090)	1.595 (0.512)**
Shared IGO membership	0.108 (0.018)***	0.107 (0.018)***	0.101 (0.019)***	0.100 (0.020)***
Preponderance	-0.417 (0.095)***	-0.415 (0.095)***		
Allied to each other	-0.080 (0.079)	-0.096 (0.080)	-0.106 (0.079)	-0.123 (0.080)
One dyad member has nuclear weapons	-0.125 (0.123)	-0.148 (0.125)	0.003 (0.125)	-0.021 (0.127)
Dyad members are nuclear powers	0.674 (0.272)*	0.661 (0.282)*	0.635 (0.265)*	0.616 (0.276)*
At least one Outside alliance non aggression pact	0.424 (0.235)	0.429 (0.234)	0.389 (0.230)	0.395 (0.228)
Strategic rivalry	1.414 (0.098)***	1.410 (0.097)***	1.286 (0.102)***	1.282 (0.101)***

Table 6.9 (cont.)

System year with preponderant sea power	0.031 (0.078)	0.277 (0.139)*	0.011 (0.080)	0.248 (0.138)
System concentration	1.772 (0.692)*	4.166 (1.104)***	1.611 (0.706)*	4.070 (1.125)***
Peace years	-0.306 (0.017)***	-0.306 (0.017)***	-0.304 (0.017)***	-0.303 (0.017)***
Managerial Inter.*Sensit.		-1.816 (0.786)*		-1.791 (0.779)*
Preponderant Sea Power*Sensit.		-0.371 (0.164)*		-0.353 (0.164)*
System Cons.*Sensitivity		-3.933 (1.542)*		-4.038 (1.552)**
Lagged relative power			-0.162 (0.024)***	-0.161 (0.024)***
_cons	-2.826 (0.265)***	-3.679 (0.390)***	-2.453 (0.282)***	-3.319 (0.405)***
N	80,777	80,777	80,618	80,618
LI	-8,611.85	-8,604.75	-8,563.95	-8,556.93
Chi2	2,337.13	2,403.65	2,295.37	2,382.06
R2_P	0.18	0.18	0.19	0.19

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Errors clustered by dyad; Splines used but not presented

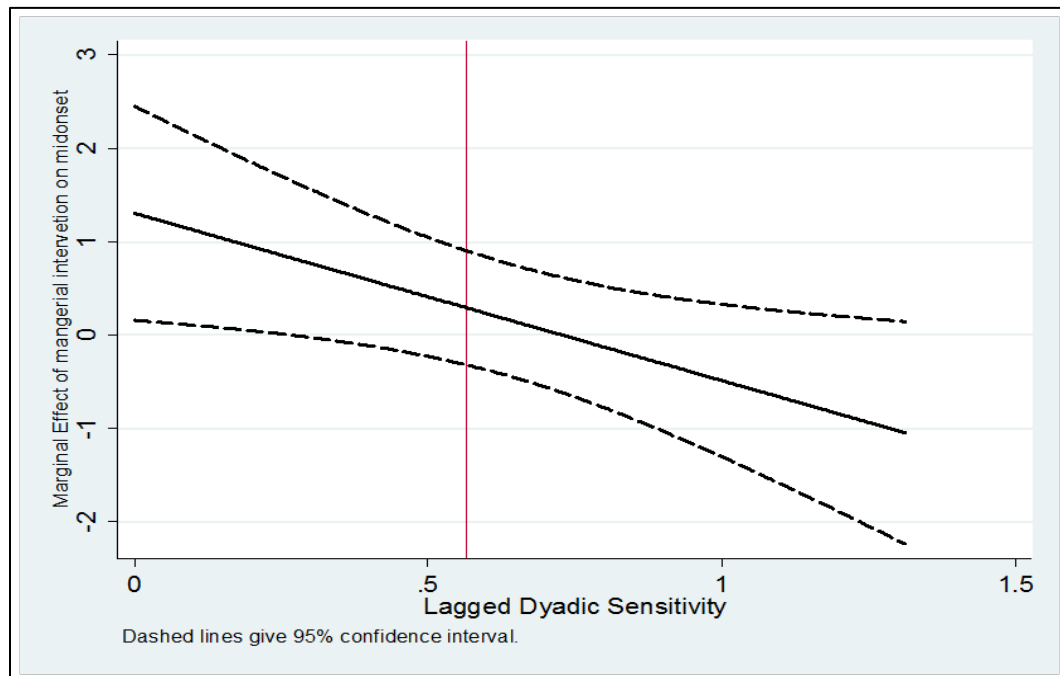
The models of Table 9 indicate that the presence of a managerial intervention is the past decade has no statistically significant impact on MID onset.<sup>53</sup> That said the interaction of sensitivity is

<sup>53</sup> Of the control variables the following can be said: Shared Membership in Pacific IGO has a robust and statistically significant positive association with MID onset. This is a robust association (38). Preponderance has a statistically significant negative association with MID onset. This is a robust association (34). Being allied to each other does not have a statistically significant effect on MID onset. This is due to the presence of the other control variables (36). One member of the dyad having nuclear weapons does not have a statistically significant association with mid onset. This is due to the presence of the other control variables (35). Being a nuclear dyad has a statistically significant positive association with MID onset. This relationship is robust (35). Having at least one outside alliance non-aggression pact does not have a statistically significant association with MID onset. This is due to the presence of the other control variables (37). Having a strategic rivalry has a statistically significant positive association with MID onset. This is a robust association (39). An increasing lagged distribution of relative power has a statistically significant negative association with MID onset. This is a robust relationship (34). System Concentration has a statistically significant positive association with MID onset. This is a robust association (32). System Year with Preponderant Sea Power does not have a clear statistically significant association with MID onset. This is due to the other control variables (33). The following variables did not indicate a statistically significant influence during the evaluation process and thus were excluded from the final models: Proportion of Major Powers that are Democratic (32), At least one outside alliance (36), At least one outside alliance excluding non-aggression

statistically significant and negative. What does that mean? It means that as the sensitivity of a dyad to major power activity increases, the closer in time a major power managerial intervention happened, the less likely for states to engage in a MID.

The graph of figure 6.6 produced to interpret the interaction shows a relationship similar to the one of figure 6.5 but an important difference. This is that sensitivity values above a certain level make the marginal effect of managerial intervention on MID onset negative. This means that any negative effect of managerial intervention is dependent on how sensitive dyads are to major power activity to begin with. In another name any pacific effect of managerial interventions is not due to who is doing them, but on who the onlookers are.

Figure 6.6 Marginal Effect of Managerial Intervention on MID Onset, 1816-1999



States that are already under the influence of major power activity may reduce their conflict behavior. But as the values of the managerial intervention variable in Model 2 and 4 and the interaction

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pacts (37), At least one Outside Major Power Alliance (38), Preponderant Seapower dyad member (39), Dyadic Democracy (33).

figures indicate, states insulated from major power activity are not only not pacified by intervention but may very well use the major power preoccupation with the managerial intervention as a chance to engage in military activity.

Hypothesis 9 has been falsified by the evaluation as any association between major power managerial interventions and mid onset is severely conditioned by sensitivity.

### *Conclusions on Hypothesis 9*

The evaluation falsified hypothesis 9. The presence of managerial intervention in the system in the previous decade does not discourage dyads from engaging in military conflict except for those dyads that are very sensitive to major power activity. Dyads that are fairly insulated from major power activity may actually be more prone to engage in MIDs during the aftermath of managerial interventions. I do not have, right now a good answer about why this happens. However, there seems to be some relationship between increased sensitivity to major power activity and a discouraging effect on MID onset by past managerial interventions. This finding, as well as the general lack of a negative relationship between managerial interventions and MID onset, are genuine puzzles that require future research. One answer may be something akin to the old rhyme “*when the cat is absent the mice will play*” as minor states take advantage of the preoccupation of the major powers with managerial intervention to engage in military action against each other.

That said, the falsification of both Hypothesis 9 and Hypothesis 6 indicates that the discouragement explanatory mechanism is inferior in explanatory power to the denial mechanism for explaining the pacific associations of major power managerial coordination. This provides some indicators on how the direct influence works. What about the influence of major power managerial coordination in the long run? While this study has shown that major power managerial coordination is a lot more common than usually assumed, does it have a pacific effect beyond the periods it is in place? I



argued that it may do by fostering an international environment that is conducive to democratization and IGO formation. The next section focuses on the hypotheses evaluating the effect, Hypotheses 10-12.

## THE INDIRECT PACIFIC EFFECTS OF MAJOR POWER MANAGERIAL COORDINATION

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Until this point I have shown that major power managerial coordination is associated with a decrease in the onset of military conflict in the international system. I have also provided indicators that this is due to the denial of material and diplomatic resources from major powers to minor powers, though the avoidance of unilateral alliances and mutual military buildups. These findings tell us that major power managerial coordination has a major influence on international relations. However, to be a truly transformative regime it should have some influence on international relations even after the major powers have failed to maintain the regime. The after-effects are as important as the actual contemporaneous events. We consider the World Wars as key events in international history, not only because of the events that happened during the wars, but also because of future events that can be traced to the wars. I postulated that the important indirect influence of managerial coordination is primarily though the pacific environment major power managerial coordination creates for the fostering of democratic reforms within states, and the creation of intergovernmental organizations. The following hypotheses evaluate these arguments.

***H10: Increasing managerial major power coordination has a positive association with a regime movement towards increased political participation, executive constraints, and competitiveness in the 1816-2001 period.***

This hypothesis postulates that increasing managerial major power coordination should be associated with movements of regimes towards greater political competition, executive constraints, and participation as measured by the Polity Score of a county according to the Polity IV dataset. These three

elements can make a regime more democratic<sup>54</sup>. Table 6.10 presents the models concerned with the basic association between managerial coordination and increases in a regimes polity score.

Table 6-10. Logit of Major Power Managerial Coordination and Change towards Participation and Competition.

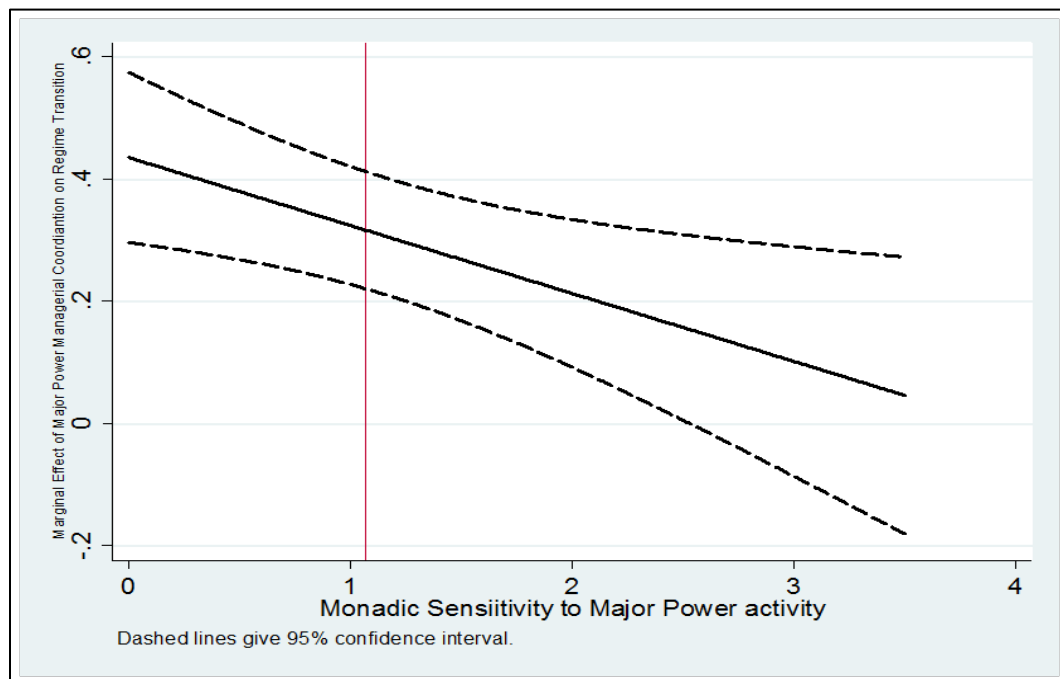
Polity Change Towards Participation- Competition 1816- 2001	Model I	Model II	Model III
Scale of major power managerial coordination	0.282 (0.047)***	0.309 (0.048)***	0.435 (0.071)***
Lagged monadic sensitivity		0.056 (0.047)	0.352 (0.127)**
Scale*Sensitivity			-0.111 (0.045)*
_cons	-3.983 (0.137)***	-4.113 (0.156)***	-4.475 (0.220)***
N	11,747	11,564	11,564
Log Likelihood	-1,845.35	-1,816.14	-1,813.08
LR Chi2	37.03	42.53	48.66
Pseudo R2	0.01	0.01	0.01

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The models of the table do not falsify the hypothesis. Models I and II indicate a statistically significant positive association between increasing managerial major power coordination and regime score changes towards increased participation, competition and executive constraints. To interpret the interaction of Model III, I create a graph of the marginal effect of increasing managerial major power coordination on the dependent variable for various values of monadic sensitivity. This is presented in figure 6.7.

<sup>54</sup> One could argue that all I capture is the secular trend towards democracy in the modern era. However, as Narizny points out, there is nothing deterministic about the expansion of democracy in international relations. Modernity does not require democracy, and a change in some historical events might had killed democratic expansion outside of a handful of western European states (2013). I am also agnostic as to whether there is secular trend towards increased managerial coordination. I am not confident that enough history has passed to make such a claim.

Figure 6.7 Marginal Effect of Major Power Managerial Coordination on regime transition towards increased participation, competitiveness and executive constraints 1816-2001



The graph indicates a generally positive marginal effect by increasing managerial major power coordination on increased competitiveness, participation and executive constraints within polities. As sensitivity increases this marginal effect becomes weaker and at the highest levels may even become negative. But in general it is positive. As a state becomes more influenced by major powers the positive effect of managerial coordination becomes less powerful. This behavior might indicate the primacy of direct ties between minor states and major powers for the political development of minor states. A possible scenario is that minor powers (for example Bavaria) that are too close to the orbit of authoritarian major powers (let us say Austria) may be less willing to engage in the breadth of reforms that states more insulated would do. However, the pacification of international relations does open up the space for some reform.

Including other control variables does not negate this relationship. Table 6.11 presents the relevant results for those models that include those control variables that remained significant during the evaluation process.

Table 6.11 Logit of Major Power Managerial Coordination and increases in participation, competitiveness and executive constraints with controls 1816-2001

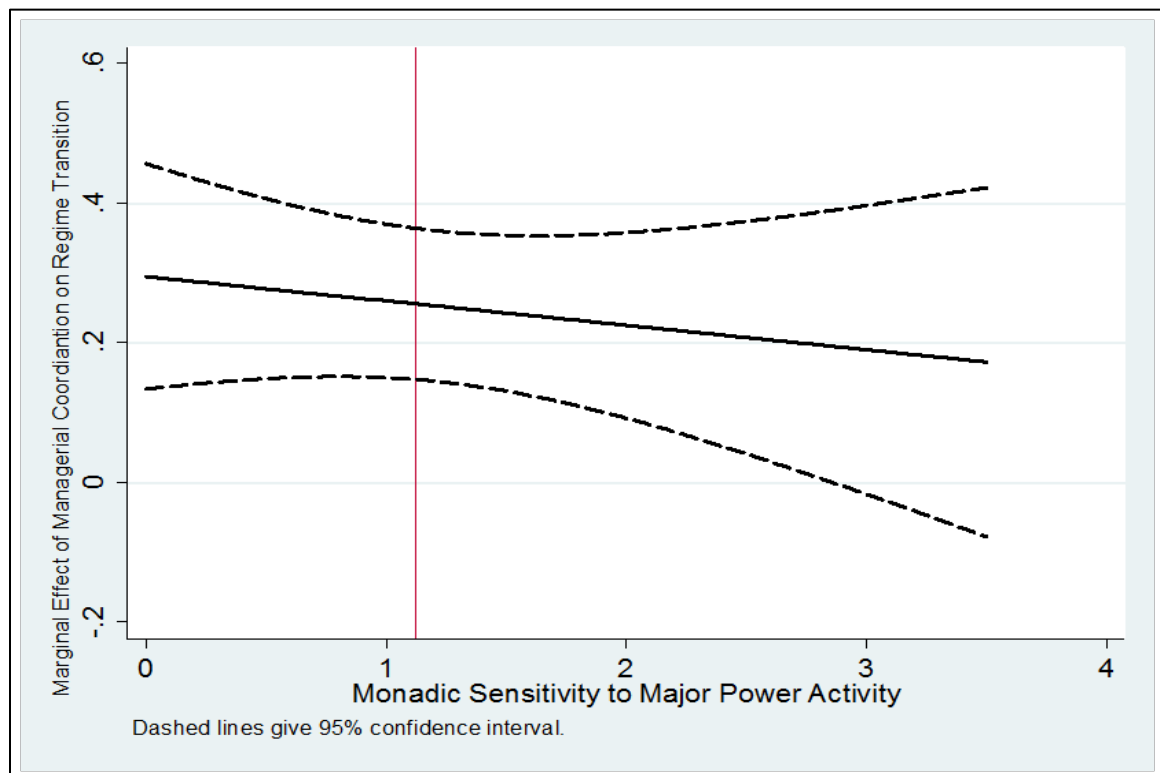
Transition towards increases in participation, competitiveness and executive constraints 1816-2001	Model 1	Model 2
Scale of major power Coordination	0.285 (0.054)***	0.295 (0.082)***
Lagged monadic Sensitivity	0.001 (0.055)	0.738 (0.163)***
Proportion of major powers that are democracies	0.390 (0.288)	2.275 (0.566)***
Logged energy Consumption	-0.039 (0.021)	-0.037 (0.022)
State age	0.004 (0.001)***	0.004 (0.001)***
Ongoing civil war	1.028 (0.139)***	0.972 (0.140)***
Scale*Sensitivity		-0.035 (0.050)
Proportion of Major Powers that are Dem.*Sensitivity		-1.199 (0.274)***
_cons	-4.279 (0.207)***	-5.428 (0.332)***
N	10,025	10,025
L1	-1,602.88	-1,589.37
Chi2	104.11	131.12
R2_P	0.03	0.04

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The models in table 6.11 indicate the following. Major Power managerial coordination has a statistically significant positive association with the movement of a polity score towards increasing

participation and competitiveness.<sup>55</sup> When I control for sensitivity, when sensitivity is 0 (38% of cases) the statistically significant relationship remains. When I produce a graph of the marginal effect of increasing managerial coordination on the dependent variable for the various values of sensitivity in figure 6.8 the general relationship is the same as that of figure 6.7 but with some differences.

Figure 6.8 Marginal Effect of Managerial Coordination on increases in participation, competitiveness and executive constraints under controls. 1816-2001

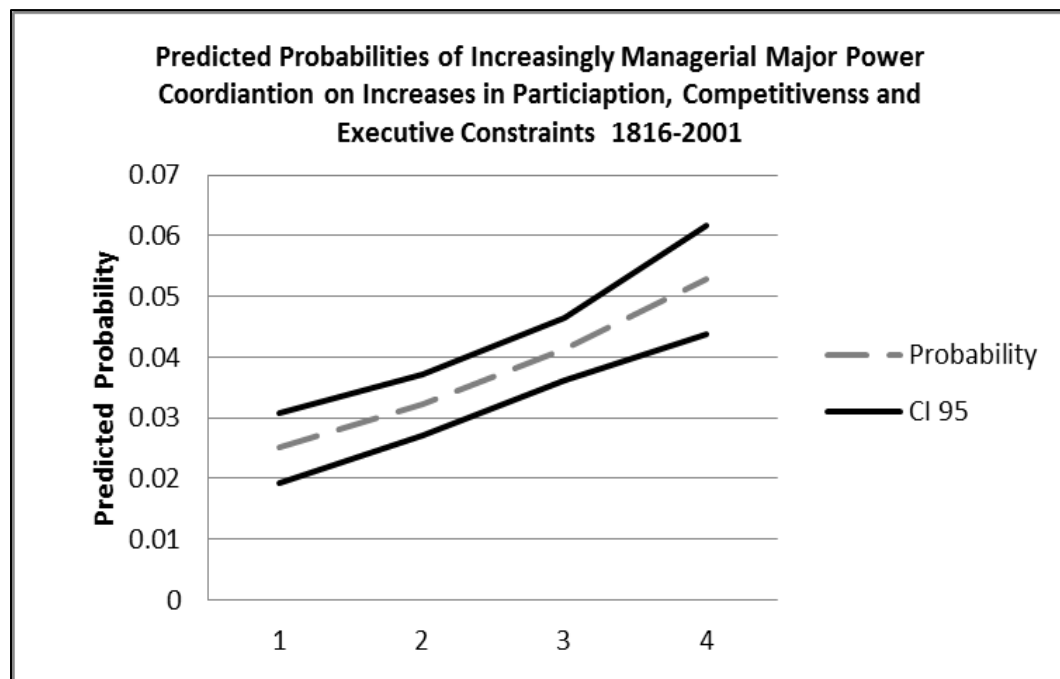


The main difference is that the positive marginal effect of managerial coordination becomes more robust, with a slight possibility of a negative effect at high levels of sensitivity. These findings do not falsify the hypothesis.

<sup>55</sup> On the behavior of the control variables the following is indicated: Being in an Ongoing Civil War has a positive and statistical with changes towards increased participation ,competitiveness, and executive constraints. This may reflect reformation attempts by governments in order to address some of the issues that have brought about the civil war. This is a robust relationship (66). An increasing Proportion of Democratic Major Powers has a positive and statistically significant relationship with the dependent variable. This association is driven by the presence of the other control variables (64). State Age has a positive association with increases in participation, competitiveness and executive constraints. This is a robust association (65). Logged Energy Consumption: does not have a statistically significant association with the dependent variable. This is due to the other control variables (65).

What of the substantive effect? Figure 6.9 has the graphical representation of the behavior of the predicted probability of increases in participation, competitiveness and executive constraints for the various values of managerial coordination. The graph is extracted from Model 2 of Table 6.11. The base model is one where major power coordination is set to 1, the lowest level, and all continuous variables are set to their mean and binary to median.<sup>56</sup>

Figure 6.9 Predicted Probabilities of Increasing Managerial Major Power Coordination on increases in participation, competitiveness and executive constraints, 1816-2001



The figure indicates that the predicted probability of increases in participation, competitiveness and executive constraints in a polity increases as managerial coordination increases. Going from point 1 coordination to point 4 coordination increases the predicted probability by .0277 from .0251 to .0538 (by about 54%) Compare these changes of the predicted probability with the change when I increase the proportion of democratic major powers in the system to its maximum from the mean of the base scenario.

<sup>56</sup> The exact values are: Lagged monadic sensitivity= 1.066199, Proportion of Major Powers that are democratic= 0.47, Logged Energy Consumption= 8.03, State Age=81.7, Civil War=0

This increases the predicted probability of changes towards increased participation and competitiveness in a polity by .0139 from .0210 to .0349.

#### *Conclusion on Hypothesis 10*

That hypothesis 10 was not falsified is an indication that major power managerial coordination has a fostering association with changes in the domestic politics of states that are conducive to democratization. More specifically increases in participation, for example more liberal electoral laws, increases in competitiveness, for example elections or a larger pool of possible chief executives, and increases in executive constraints, for example the principle of parliamentary supremacy. This association in the explanatory sector was attributed primarily to the pacification of international relations due to the direct effects of major power managerial coordination. More peaceful international relations dampen the demands for political repression that military conflict engenders in societies, opening up the possibility for opening up a political system.

Still, in the explanatory section I offered, based on Paul Schroeder's work, another direct mechanism through which the powers of a major power managerial coordination system can affect positive movements towards democratization. This was the promotion of legitimism by Metternich, Alexander I, and Castlereagh through the Vienna Concert. The main tenant of legitimism was the replacement of the Divine Right absolute monarchy by the idea of a monarchy restricted by the idea of good governance whose material form was a granted constitution. Hypothesis 11 evaluates this purported relationship.

***H11: Increasing managerial major power coordination has a positive association with the enactment of a constitution within a given country year in the 1816-2001 period.***

The congress system created in 1816 is usually seen by popular opinion as a reactionary system created by the victors of the Napoleonic wars with the goal of repressing the liberal and radical forces

unleashed by the French revolution.<sup>57</sup> While it is true that the slogan of *fraternite-egalite-liberte* left the monarchs and political elites of the great powers unmoved (as it did for many erstwhile supporters disillusioned by the excesses of the French Terror and Napoleonic Empire), the administrative reforms of the revolution and empire did not. Indeed the administrative bureaucratic state that the Committee of Public Safety, Directorate and Napoleon tried to build was prefigured by the reforms of Joseph II in Austria and the “enlightened” monarchs of the late 18<sup>th</sup> century. The Revolution brought about not a reaction, but a transformation of the ideology of enlightened absolutism to legitimism (Schroeder 1994; Esdaile 2007).

The core of legitimism was the idea that while people do not have the right to rule, they do have the right to be ruled justly, efficiently and most crucially not arbitrarily. This is why the congress system generally was supportive of royal constitutions, except in the case that those were given due to fear or imminent or actual revolution (Spain, Kingdom of Two Sicilies). Constitutions play an interesting role in the process of democratization of a country. They do not necessarily lead to it but the enactment of a constitution provides a tangible focus point around which the political struggle can be waged. More importantly it nationalizes that struggle, which leads to the formation of a common identity that seems to be often associated with democratization especially in this period. Table 6.12 presents the basic models of the evaluation of the association of major power managerial coordination with constitutional events of enactment or reinstatement.

Models I-III of Table 6.12 falsify the hypothesis as increasing managerial major power coordination does not have a statistically significant association with the enactment of constitutions. Figure 6.10 has the graph representing the marginal effect of managerial coordination on constitutional events, which can help interpret the interaction of Model III.

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<sup>57</sup> In reality this forces had already been unleashed in the second part of the 18<sup>th</sup> century. Massive and radical progressive reforms characterized the rule of such monarchs as Joseph II of Austria, Frederick VI of Denmark (as both regent and regnant), and Joseph III of Portugal among others.

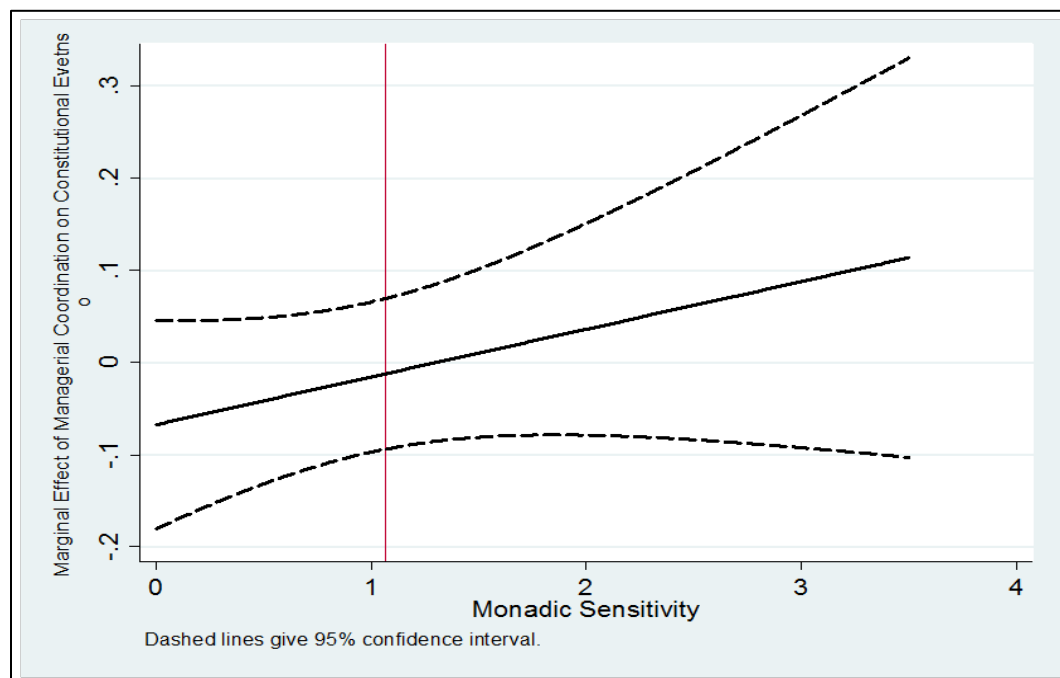


Table 6.12 Logit models of major power managerial coordination of constitutional events. 1816-2001

Constitutional Event 1816-2001	Model I	Model II	Model III
Scale of major power managerial coordination	-0.069 (0.039)	-0.017 (0.042)	-0.067 (0.058)
Lagged monadic sensitivity		-0.070 (0.043)	-0.195 (0.108)
Scale*Sensitivity			0.052 (0.041)
_cons	-2.853 (0.102)***	-3.012 (0.126)***	-2.881 (0.161)***
<i>N</i>	13,045	12,806	12,806
Log Likelihood	-2,450.09	-2,233.67	-2,232.86
Lr Chi2	3.19	2.70	4.32
Pseudo R2	0.00	0.00	0.00

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Figure 6.10 Marginal Effect of Major Power Managerial Coordination on Constitutional Events 1816-2001



The graph indicates that for low levels of sensitivity the marginal effect of managerial coordination is negative. As sensitivity increases the marginal effect becomes slightly positive but never free of the possibility of a negative effect. The findings falsify the hypothesis. Including control variables does not change these findings. Table 6.13 presents the relevant models. Model 1 contains the variables without the interactions of structural variables with sensitivity, while model 2 contains the interactions.

Table 6.13 Logit model of major power managerial coordination and enactment of constitutions with controls. 1816-2001

Constitutional Events 1816-2001	Model 1	Model 2
Scale of major power managerial coordination	-0.027 (0.046)	-0.116 (0.065)
Lagged monadic Sensitivity	0.088 (0.052)	0.080 (0.163)
Proportion of major powers that are democracies	1.369 (0.289)***	1.870 (0.510)***
Logged energy Consumption	-0.086 (0.017)***	-0.084 (0.017)***
State age	-0.001 (0.001)	-0.001 (0.001)
Ongoing civil War	0.658 (0.149)***	0.647 (0.149)***
Scale*Sensitivity		0.079 (0.044)
Proportion of Major Powers that are democracies* Sensitivity		-0.338 (0.275)
_cons	-3.245 (0.196)***	-3.309 (0.298)***
N	11,081	11,081
L1	-1,879.82	-1,877.96
Chi2	68.21	71.94
R2_P	0.02	0.02

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The two models in Table 6.13 still falsify the hypothesis. Increasing managerial major power coordination does not have a statistically significant association with the enactment or reinstatement of a constitution.<sup>58</sup> The same holds for the interaction with sensitivity. The graphical presentation of the marginal effect of managerial coordination on constitutional events for the models with the control variables is no different from that of figure 6.10.

Why is this case? If I do a cross-tabulation of the four points of the scale of major power managerial coordination intensity with the cases of constitution enactment or reinstatement I find the following patterns as presented in Table 6.14.

Table 6.14 Cross tabulation of Scale of Major Power Coordination Intensity with Constitutional events, 1816-2001

Point of Scale	Country Years with Constitutional Events (ratio over total country years)	Total Country Years
1	183 (.055)	3293
2	110 (.037)	2907
3	204 (.047)	4261
4	109 (.042)	2584

What becomes obvious is that the majority of constitutional events happen either in periods of extreme major power competition as captured by Point 1 of the scale, or periods of high coordination but not of a managerial system, as captured by Point 3 of the scale. The first relationship may bear credence to the Nariznian argument that to a great extent of the spread of democracy is due to the policy of liberal powers, like the US and UK, exporting their political system in times of conflict with other major powers (2012). The second result, that Point 3 coordination is associated with constitutional events, is more contingent with the story told here.

<sup>58</sup> Of the behavior of the control variables the following is indicated: Having an ongoing civil has a statistically significant positive association with constitutional events in the 1816-2001 period. This is a robust association (69). An increasing proportion of democratic major powers has a statistically significant positive association with constitutional events. This is a robust association (67). Increasing logged energy consumption has a statistically significant negative association with constitutional events (enactment and reinstatement). This is a robust association (68). State Age does not have a statistically significant association with constitutional events. This is due to the other control variables (68)

But why is this not an increasing effect as coordination increases? When I focus on constitutional events during country years when major power managerial coordination is at point 4 I find that the main reason for the falsification of the hypothesis is the fact that legitimism actually may not have worked. Very few constitutional events take place in the 1816-1848 period of point 4 major power managerial coordination. Most take place either in the interwar years or the post-Cold War period. This means that Schroeder's legitimism argument is falsified as far as constitutionalism is concerned.

The fact that Hypothesis 10 was not falsified and Hypothesis 11 was, indicates that while major power managerial coordination may foster increased competition and participation in a country (as captured by Polity scores), it may have a harder time fostering the "locking-in" of such changes in the form of constitutions. The culprit may very well be Russian opposition to limits on royal authority as expressed by Nicholas I.

#### *Conclusion on Hypothesis 11*

Hypothesis 11 was falsified. Increasing managerial major power coordination does not seem to be associated with the enactment or reinstatement of constitutions. This is primarily due to the lack of a positive relationship between Point 4 coordination and constitutional events in the 1816-1830 period. This casts some doubt to Schroeder's legitimism argument. That said, the fact that hypotheses 10 was not falsified does indicate a positive relationship between major power managerial coordination and some domestic changes that are positive for democracy. The fostering effect was not as strong or clear as I hoped for. But it does exist. Next I will present the evaluation of the final hypotheses for the 1816-2001 period, Hypothesis 12 in which I ask if there is a relationship between major power managerial coordination and the rise of the international organizations as regimes of the international system.

***H12: Increasing managerial major power coordination should be positively associated with the possibility of a state entering an IGO either as a founding or subsequent member in a given year in the 1816-2001 period.***

This hypothesis evaluates that argument that by pacifying relations between themselves major powers engaged in managerial coordination have no incentive to undermine attempts to provide alternatives to military force for managing international relations. Furthermore, the needs of multilateralism and consultation will lead the major powers to create the basis for international organizations (IGO). An example of this is the Rhine Commission created by the Congress of Vienna in order to manage in a pacific manner issues about the navigation and use of the Rhine. Is this one instance a part of a bigger trend? Table 6.15 indicates that this may not be the case.

Table 6.15 Logit of Major Power Managerial Coordination into ascension to IGO membership, 1816-2001

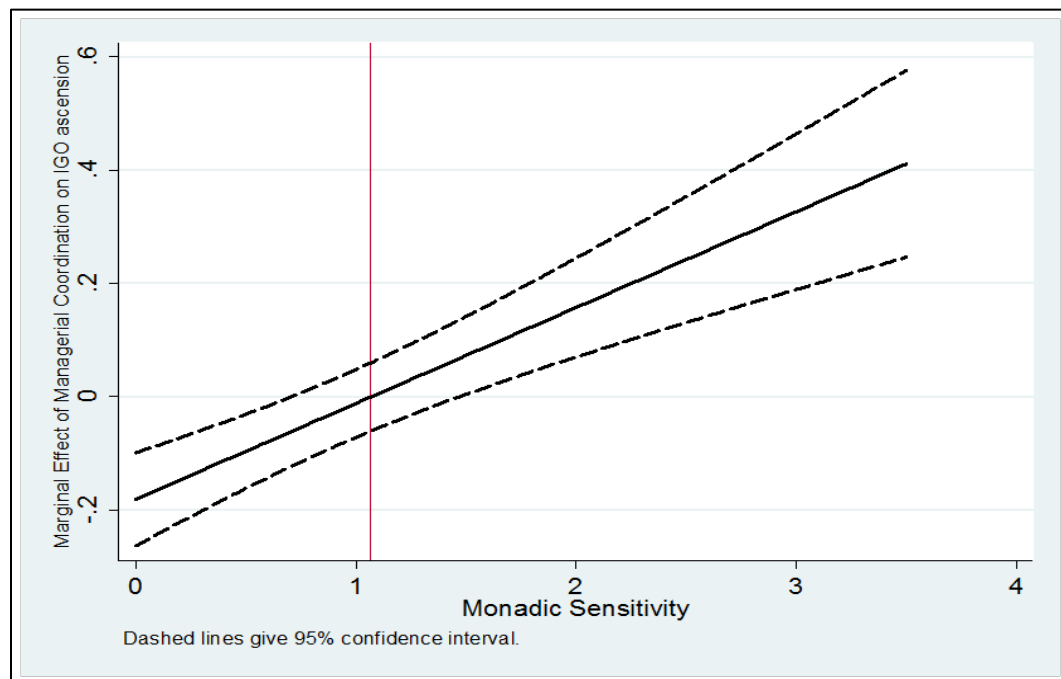
Ascension to IGO membership 1816-2001	Model I	Model II	Model III
Scale of major power managerial coordination	0.006 (0.028)	-0.022 (0.031)	-0.181 (0.042)***
Lagged monadic sensitivity		-0.123 (0.032)***	-0.539 (0.084)***
Scale*Sens			0.169 (0.031)***
_cons	-2.260 (0.075)***	-2.257 (0.093)***	-1.848 (0.115)***
N	13,045	12,806	12,806
LI	-4,119.65	-3,578.41	-3,563.07
Chi2	0.05	14.82	45.51
R2_P	0.00	0.00	0.01

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The findings presented in the table provide an initially dispiriting picture. Model I shows no statistically significant association between increasing managerial major power coordination and the ascension of states to IGO membership. The results of Model II indicate that as states become more sensitive to major power activity they are less likely to accede to IGOs. The scale still remains in a statistically insignificant relationship to the dependent variable.

Model III indicates the following. When sensitivity is 0 (37% of cases) increasing managerial major power coordination has a statistically significant negative association with the ascension of states to IGOs. To help further interpret the interaction figure 6.11 presents the marginal effect of major power managerial coordination on ascension to IGO for the various values of monadic sensitivity.

Figure 6.11 Marginal Effect of Major Power Managerial Coordination on IGO ascension. 1816-2001



The figure indicates that as sensitivity to major power activity increases an initially negative marginal effect on IGO ascension becomes positive. This means that IGO ascension is more tied to sensitivity to major power activity than to managerial coordination. States that are more closely tied to the major powers are more likely to enter IGOs during periods of major power coordination. States insulated from major power coordination are less likely. These results are not clear enough to not falsify the hypothesis, though the falsification is conditional.

Why is this the case, especially when I consider that no IGOs existed before the first instance of a managerial coordination regime in 1816? A cross tabulation of the four points of the scale and country

years in the 1816-2001 period in which a state acceded to at least one IGO membership might help us understand. Table 6.16 presents such a cross-tabulation.

Table 6.16 Cross tabulation of scale of major power managerial coordination and IGO ascension

Scale Point	Country Years with at least 1 ascension to IGO (ratio over total country years in Point)	Total Country Years
1	356 (.108)	3293
2	227(.078)	2907
3	382(.089)	4261
4	285(.110)	2584

The cross tabulation indicates that the reason for the falsification of the hypothesis is the association of point 1 coordination, the lowest level, with as many IGO ascensions as those associated with point 3 and 4. This means that while states are more likely to enter an IGO when the major powers are engaged in managerial coordination, they are equally likely to do so when the major powers are embroiled in antagonistic alliances. Why is this the case? If I further look at the association between country years and IGO ascension during Point 1 coordination then the culprit is the Cold War, specifically the 1945-1970 period. During the cold war major power coordination was very low. However, de-colonization led to a large influx of states into pre-existing and new organizations, most of them part of the Non-aligned movement.

What this means is that while this variable has been conditionally falsified, the theoretical relationship behind the proposition this hypothesis was based on does have merit, as long as we take into consideration the Cold War's effect. Indeed if I exclude those years, the relationship between increasing managerial major power coordination and IGO ascension follows the expected direction. However until a theoretical reason is formulated for excluding that part of the Cold War, I cannot claim the hypothesis escapes falsification.

Table 6.17 presents the results of the model including control variables. Because trade info only exists for the 1870-2000 period, the full model is restricted to that period.

Table 6.17 Logit of Scale of Major Power Coordination and ascension to IGO membership, 1870-2000

Ascension to IGO Membership 1870-2001	Model 1	Model 2
Scale of major power Coordination	-0.131 (0.035)***	-0.312 (0.047)***
Lagged monadic Sensitivity	-0.065 (0.038)	-0.535 (0.177)**
Proportion of major powers that are democracies	5.059 (0.423)***	4.968 (0.562)***
State age	-0.000 (0.001)	-0.000 (0.001)
Number of preexisting IGOs	-0.046 (0.009)***	-0.040 (0.009)***
Absolute volume of trade	-0.000 (0.000)***	-0.000 (0.000)***
Scale*Sensitivity		0.198 (0.034)***
Proportion of Major Pow. that are democracies* Sensitivity		0.006 (0.323)
_cons	-4.310 (0.207)***	-3.851 (0.280)***
N	10,811	10,811
Ll	-3,164.52	-3,143.56
Chi2	235.58	277.50
R2_P	0.04	0.04

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: absolute volume of trade exhibited abnormal numbers.

The hypothesis remains falsified as the dynamics of the models of Table 6.16 remain unchanged.<sup>59</sup> Until a theoretical justification for excluding the 1945-1970 period can be produced, this

<sup>59</sup> When it comes to control variables the following can be said of their behavior: An increasing absolute volume of trade has a statistically significant negative association with ascension to IGO membership. This is a robust association (73) The large size of the coefficient tails though indicate that this variable may not be correct. An



must remain the case. The falsification is conditioned though by the evidence that the marginal effect of managerial coordination on ascension to IGO membership becomes positive as sensitivity to major power activity increases.

### *Conclusion on Hypothesis 12*

The falsification of hypothesis 12 does weaken the transformative effects of major power managerial coordination. However the possibility of this falsification being an artifact of decolonization during the Cold War, and the possible positive effect under high sensitivity to major power activity leaves some hope of a different research design capturing the expected effect. Further research is needed.

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## *CONCLUSION FOR CHAPTER 6*

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In this chapter I presented the second set of findings from the evaluation of the hypotheses in the 1816-2001 period. Two sets of hypotheses were evaluated, those on the denial and discouragement mechanisms that may explain a negative association between major power managerial coordination and the onset of interstate military conflict; and those on the indirect pacific effects of increasing managerial major power coordination on polity change, constitutional events and state ascension to IGOs. The findings are from a system that is being transformed by the new regime. The following were determined:

- Denial mechanisms, which are the denial by major powers of their diplomatic and military support to minor powers, received strong indicators of support as possible explanations for the negative association of managerial coordination and conflict onset.

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increasing proportion of major powers that are democracies has a strong positive statistical association with state ascension to at least one IGO . This is a robust association (70). State age has no statistical relationship between increasing state age and ascension to IGO membership. This is due to the other control variables (71). There is a statistically significant negative association between an increasing number of preexisting IGOs in a region and state IGO ascension to membership. This is due to the other control variables in the model (72). The following variables did not exhibit a statistically significant association during the evaluation process and were not included in the final models: Logged energy consumption (71) , monadic democracy (72,73)

Increasing managerial major power coordination is negatively associated with Major Power ascension to unilateral alliances with minor states, and the onset of mutual military buildups.

- All of the managerial interventions by major powers in the 1816-2001 period happened during managerial coordination that reached level 3 or level 4 on the scale of major power managerial coordination intensity. These are the highest levels. As a result I am more confident of the face-validity of the scale measurement instrument.
- Discouragement mechanisms, which are the discouragement of military activity by other states due to major power censure, or the possibility of censure of such activity, did not receive support as explanations. Managerial interventions did not have a negative association with MID Onset. Increasing Managerial Major Power coordination did not have a negative association with minor powers joining ongoing disputes.
- Increasing major power managerial coordination has a robust positive association with increases in participation, competitiveness, and executive constraints within polities. These are phenomena that are associated with democratization, so managerial coordination by fostering international peace may foster democratization.
- Increasing major power managerial coordination does not have a positive association with the enactment or reinstitution of constitutions. This undermines Schroeder's legitimist theses.
- Increasing major power managerial coordination does not have a positive association with the ascension of states to IGO membership. There is a positive association if I exclude the Cold War years from the analysis.
- Controlling for sensitivity to major power activity is paramount when looking at the effect of structural variables produced by major power interaction. Under high levels of sensitivity to major power activity increasing managerial coordination has a positive

effect on constitutional events within a state, and state ascension to IGO membership.

Furthermore, managerial interventions have a negative effect on MID onset when sensitivity to major power activity is high.

- Of the control variables an increasing proportion of major powers that are democracies has a robust positive association with increases in participation, competitiveness and executive constraints, with constitutional events, and with state ascension to IGOs. This indicates support for the arguments about the role of democratic major powers in international politics presented by Mitchell (2002), and Narizny (2012) among others.

The above findings bode well for major power managerial coordination as a building block for a more peaceful world. However the findings from the evaluations of the indirect effects cooled the enthusiasm for the transformative effect of major power managerial coordination. While major power managerial coordination is more likely to be contemporaneous with a broadening of political participation and competition within polities, an expected fostering effect on constitutionalism was not found. The Cold War period also makes it hard to find a positive relationship between major power coordination and the creation of the dense system of IGOs that help states manage in a pacific manner the issues of the world system.

The above findings tell the story of how the fluctuations in major power coordination affect peace in a system where such a regime as managerial coordination has existed and thus is possible. To truly grasp if there is a transformative effect to the existence of such a regime, we need a system to compare with in which managerial coordination is not yet a possibility. This role falls to Europe from 1715 to 1815. In the next chapter we will look at the dynamics of conflict in this period.

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## CHAPTER 7: THE 1715-1815 PERIOD

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The previous chapter presented findings that provide an indicator that major power managerial coordination may have a pacific role in international politics in the 1816-2001 period. However I wish to compares those findings with international politics before the first case of a managerial coordination regime in 1816, the Vienna System. In this chapter I will be reviewing findings on a number of hypothesis but for the 1715-1815 period.

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### INTRODUCTION: THE AGE OF KINGS AND REVOLUTION<sup>60</sup>

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The peace of Utrecht in 1715 was seen by contemporaries and subsequent scholars as a key point in diplomatic history. It was seen by many as a decisive defeat of the ambitions of Louis XIV of France for a European hegemony, and as a reaffirmation of the principles of the Westphalia system. It was also one of the first treaties to explicitly mention the idea of a balance of power as the key for European peace. However, as often is the case, things are not as they seem. Louis XIV's ambitions have been exaggerated by essentially a Whig interpretation of history (Butterfield 1931[1965]). The treaty's balance of power was in reality an alliance between France and Great Britain pursued by Cardinal Fleury and Sir Robert Walpole. The peace it brought was limited to Western Europe and could not provide a comprehensive resolution for the most important issue of the War of Spanish Succession, the question of what would happen to the Spanish Hapsburg patrimony. The treaty resolved the issue of the Spanish Netherlands, giving them to the Austrian Hapsburgs. But in Italy no such resolution was possible, and the Hapsburg emperor Charles II was unwilling to even recognize the Bourbon's in Spain. Elsewhere in Europe war raged.

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<sup>60</sup> The following narrative is drawn from Paul Schroeder (1994), Jeremy Black (1990;2002a), Charles Esdaile (2007)

Northern Europe was devoured by the flames of the Second Great Northern War as a coalition headed by Russia was dismembering the Swedish Baltic Empire. In the south the Ottoman Empire had begun a campaign with the goal of destroying the remnants of Venetian power. To these ongoing wars were added the tensions created in Italy by the highly opportunistic and rapacious policies of the Spanish Bourbons and Austrian Habsburgs. By 1718 Italy became once more a theatre of war as King Phillip V of Spain, urged by his formidable wife Elizabeth Farnese and Cardinal Aleberoni, sought to ensure the Habsburg patrimony for Spanish interests. This led to a sharp short war where Great Britain and France momentarily limited Spanish ambitions, even if nothing was resolved due to the intransigence of the two competing houses of Bourbon and Habsburg. In the Baltic, Great Britain risked war with Russia and Austria but succeeded in limiting the gains of Russia from its victory in the Great Northern War. With the Austrian entry in the Veneto-Ottoman war leading to a western victory in 1718, it seemed as the great period of conflict inaugurated in the early 1700s had come to an end.

Habsburg and Spanish Bourbon opportunism and the changes in diplomatic politics brought about by the rise of Russia undermined any lasting peace. The chaotic politics of Poland coupled with the open Italian issues, and the increased Anglo-Spanish colonial competition led to two wars in the late 1720s-1730s. To these were added another Ottoman war between the Porte and the Habsburgs and Romanovs. The system of Utrecht as a system of general peace had failed. However the Anglo-French part of the system was a success. Despite the fact that Europe saw war five times between 1715 and 1740, France and Great Britain remained either at peace or were allies. A remarkable feat of diplomacy, it could not last because the wider elites of the two countries did not fear war. Once Walpole and Fleury fell from power, the rivalry between France and Great Britain took fire again.

When Charles VI of Austria died he left his heir Maria Theresa a state that had become a pariah in international relations. Charles VI had followed a fanatically anti-Bourbon policy that had alienated the historical allies of Austria in Germany, and left multiple open fronts for opponents to take advantage of. What started as an attempt at extortion by Frederic II of Prussia, who was following the opportunistic

expansion policies of his father, led to the collapse of the Utrecht settlement and what was a world war. The War of Austrian succession ended in 1748 with another attempt at creating a pacific system, this time under the guidance of Louis XV of France. Unlike the Treaty of Utrecht this war put to rest a number of open issues in Europe. Italy was finally distributed between the Bourbons, Habsburgs and locals in a satisfactory way. It would remain at peace until the fires of the revolutionary wars in 1792, providing a case of successful conflict resolution if we remember that this is an area that had fed 3 wars since 1715. The settlement of the Low Countries won at Utrecht was once more confirmed. But alas the pacification of parts of Europe did not extend to all of Europe.

Frederick's the Great ambitious policy during the War of Austrian Succession had upturned the internal peace of Germany. The question of Russian influence in Europe was not resolved, especially concerning Poland. And outside Europe the colonial conflicts of the United Kingdom and its ally Portugal with France and Spain were not put to rest. British support for Frederick the Great, partly fed by fears for the fate of Hanover if Prussia decided to invade it, brought Whitehall into a collision course with the Austro-Russian goal of breaking Prussian power. Franco-Spanish antagonism with Great Britain over India and the Americas led to the Diplomatic revolution when Bourbon France broke two centuries worth of foreign policy to ally with the Hapsburgs.

The war that followed, the Seven Years war, was in a way smaller in scope than the War of Austrian Succession. While it raged in America, India and Europe, in Europe it was only focused in two theaters, the Low Countries and Bohemia. Italy, the Baltic, and the Balkans remained at peace. It was however a more intense war as Austria and Russia fought for a total victory against Prussia. In the end the war ended with Prussia and Austria left in the same place as before and German politics hopelessly divided. Great Britain won the colonial war but lost all possible allies in Europe. Russia gained the most as it now became the third power in the Austro-Prussian rivalry in Germany.

The period after 1763 would see Western Europe at peace, but Eastern Europe in flames. In Germany, the new Habsburg emperor Joseph II had ambitious plans to re-forge the Hapsburg Empire into a unified state, something that entailed huge territorial changes. His opportunistic and radical schemes led to a series of military crises in Germany that opened up the space for Russian opportunism in Eastern Europe. Playing Austria and Prussia against each other, Russia under Catherine the Great engaged in an explosive expansion. Poland was ransacked by Russia, a policy that Austria and Prussia helped bring about at times because of extortion, and at times because of greed. The Ottoman Empire and Sweden of Gustav III tried to stop the Russians, a policy that led to a number of Ottoman and Swedish wars with Catherine. The western powers, France and Great Britain, exhausted from the Seven Years War and their conflict during the War of American Independence, found themselves unable to control events.

The weakening of Austria's position due to the policies of Joseph II both external and internal, so reminiscent of Charles II, created the seed of an initially Austrian consideration of creating a more permanent system of major power coordination to avoid potentially dangerous consequences from unilateral foreign policy. This different conception of international relations by Leopold II and Kauniz was also driven by the events in the Low Countries. An area of Europe that had not produced a war since 1715 was now in flames. The Austrian Low Countries had rebelled in a conservative reaction to Joseph's radical reforms. That rebellion together with the ideas of the American Revolution and the increasing revolutionary fervor in France led to a Dutch civil war which Prussia took advantage of in order to install a friendly regime against French protests and Austrian inaction. At the same time the situation in Poland and the Balkans where Russia was slowly becoming a dominant power had started to bring Austria before the unenviable position of contemplating a great war against Russia.

The French revolution averted that danger only partly. Initially the revolution was not a big worry for most European monarchies. Except for Gustav III who was driven by a fanatical anti-revolutionary fervor, everybody was worried about Russian expansion in the East. Austria saw an intervention against France, with the revolution as the pretext, as a way to tie Prussian attentions in the West and thus deny its

support to Russia. Unfortunately for Austria, both the radicals and the king in France for their own reasons wanted an Austrian war. Austria found itself fighting France and thus was not able to stop Russia from eliminating Poland in association with the opportunistic Prussia, and humiliating the Ottomans who came to Poland's defense.

The anti-Austrian war of France quickly escalated to a European war. There are many reasons for this, the smallest of which is ideology. The French radicals, like the monarchy before them, had never accepted the Prussian resolution of the Dutch civil war. Their war with Austria was partly fed by old prejudices and partly by the even older goal of getting natural borders. Ideology only played an important role in Italy where French anti-austrianism and territorial greed were married with a goal of overthrowing the local Bourbons. Great Britain entered the war decisively only because the French overthrew the Utercht settlement in the Low Countries.

The French revolutionary wars were really a re-fight of the wars of the last 90 years in Europe. The French revolutionary governments overthrew the settlements of Italy and the Low Countries, undoing the most robust results of the treaties signed between the major powers in the 18<sup>th</sup> century. And yet they were not alone in this. Prussia and Spain followed opportunistic policies at times fighting France and at times allying with it. Many minor powers welcomed the destruction of the old order. In Germany the French wars were just the newest turn in the struggle for dominance in Germany opened up in 1740 by Frederick the Great.

The revolutionary wars came to an end when Austria decided to throw its lot in with France by trying to create a new order in Italy and Germany in conjunction with the French. Because of this Great Britain ran out of allies to fight the war for it. What seemed like a lasting settlement based on Franco-Austrian understanding was broken up by three things. These were Napoleon Bonaparte's imperial ambition, the Russian wish to be a key player in the disposition of central Europe, and British-French unresolved issues. Napoleon with the opportunistic help of Prussia and minor German states sought to



dominate Germany and dismantle the Holy Roman Empire. The eruption of war with Great Britain provided a possible bankroller for a European war.

Austria saw the war as a way to force France to ally with it and forsake Prussia as the main French collaborator. Russia saw the war as a chance to force France to accept it as an equal in the management of Eastern Europe. The war did not go well for Austria which found itself humiliated and forced to become a dependent of France. Prussia then went to war with France in another burst of opportunism because of Napoleon's unwillingness to take into consideration its demands on a defeated Austria. Russia continued fighting as long as the British were willing to pay. The Prussians were also defeated and Russia, increasingly at loggerheads with Great Britain over Mediterranean issues, signed the Peace of Tilsit.

The Treaty of Tilsit was seen by Russia as a grand bargain that would resolve the questions of Europe through a Russo-French condominium. Russia was so willing to play this role that it just stood by when Austria made a last attempt at freedom in 1809. However, Napoleon was never willing to accept Russia as an equal and various Napoleonic unilateral actions in Germany, the invasion of Spain, and the continental system that was hurting Russia's economy led to war. The Napoleonic wars from 1812 were essentially the turning point in European politics. The drastic defeats that Prussia and Austria suffered in 1806 and 1809, the threat of 1812 for Russia, and the inability of Great Britain to create a stable alliance system based on bipolarity during the whole 1803-1812 period, led to the maturing of the thought that a stable European system could only be the result of a regime that united all the major powers.

This was a radical break from all the schemes to manage Europe in the past hundred years which usually were attempts to fashion a bipolar hegemony. This was the case with Utrecht (France-Great Britain), Aix-a-Chappelle (France, Austria), Paris (Austria, Russia), and the various treaties of the French Revolutionary and Napoleonic Wars (Prussia-France, France-Austria, France-Russia, Russia-Great Britain). This determination to change international politics led the allies to victory not only over

Napoleon but also their own inhibitions and greed. A serious dispute over the fate of Saxony in 1814 almost led to a war among the allies. For the first time all of the great powers sat down and pacifically managed the issue avoiding war. In 1815 Napoleon's last attempt to take advantage of the old divisions of Europe failed on the field of Waterloo.

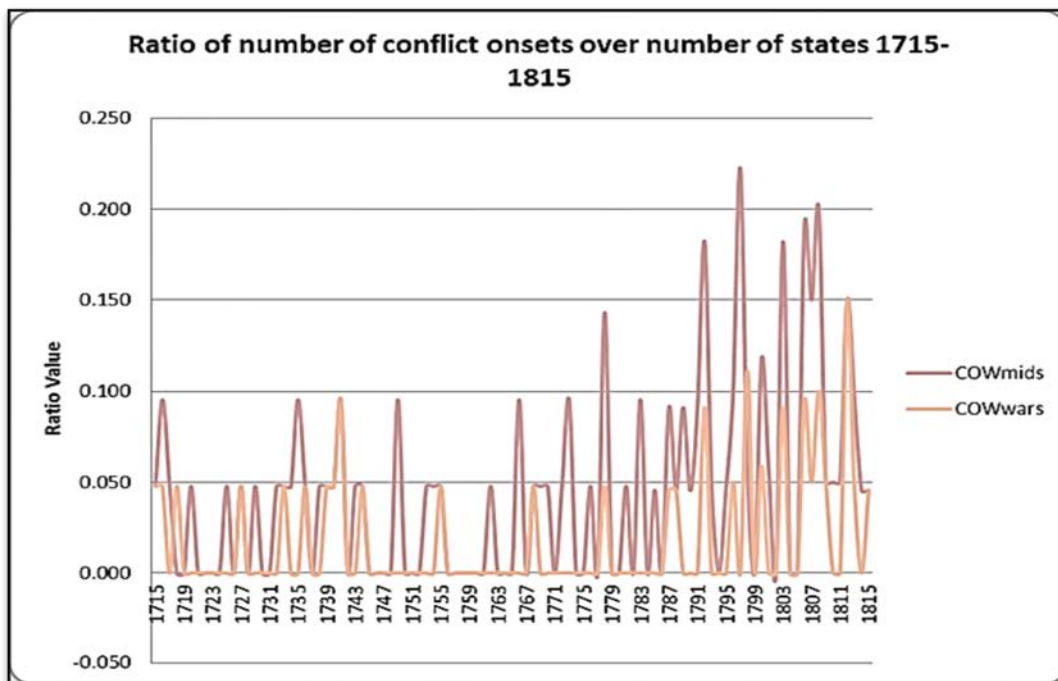
In Vienna in 1816 the signatories brought about the Congress system. This was a system for the first time not based on some bipolar understanding by two powers against all others but on a multilateral system where the two most powerful states of Europe, Russia and Great Britain, would work in an organized way with the central powers Austria, Prussia and later France,. The goal of this cooperation was to resolve any issues that arose in Europe in such a way as to avoid a descent to war like that of 1792. Where the previous settlements had settled some issues only to birth other issues (for example peace in the Low Countries but war everywhere else, or peace in Italy but war in Germany), Vienna had tried to settle all issues.

Why did the 18<sup>th</sup> century fail to produce a pacific system? To summarize, international politics in the 18<sup>th</sup> century was very conflict inducing. Military force or the threat of military force was seen as the primary means for staking a position on an issue. What was worse, the threat of force or use of force against a country was actually seen as ways to gain that country as an ally. The diplomatic means used to resolve issues contained the grain of conflict in them. Territorial compensation created an attitude of greed as no power could afford to let another power gain without some compensation, because of the loss of prestige and the fear of a change in the balance of power. Compensation led to conflicts with victims from which "the pound of flesh" would be carved, like Poland. If compensation was not forthcoming states may threaten war or try to ally with other powers that could guarantee it.

Alliances acted more as attempted restrains towards powerful adversaries rather than as a balancing mechanism, partly due to the existence of the auxiliary norm. But more often than not such restraining alliances only led the weaker member to become a pawn in the stronger member's policy. All

of this meant that peace treaties failed to pacify the system. Peace in one sector, the Low Countries let us say, was bought by tolerance for conflict in another, Italy for example. But the conflicts in those areas due to the compensation regime would “suck” in the pacific powers, like France and Britain in the 1720s, and undo the work of peace-makers. As figure 7.1 shows the 1715-1815 period saw an increasing trend in conflict as a ratio of the number of states in the system.

Figure 7.1 Ratio of Number of Conflicts to States in the 1715-1815 period.

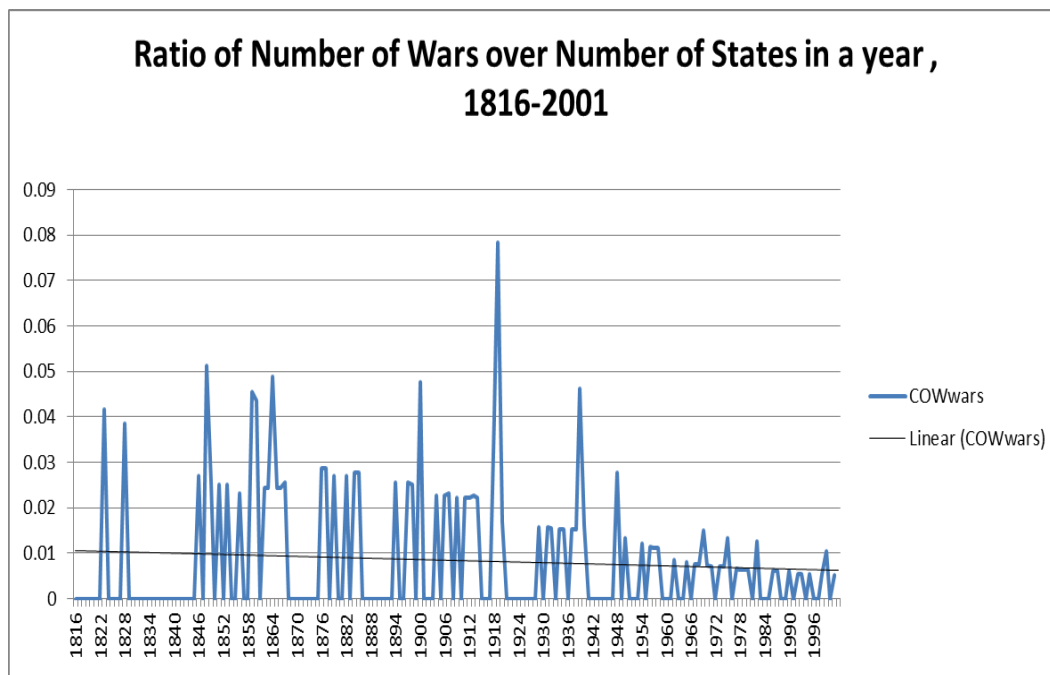


The system became unstable as the thirst for compensation started threatening the security and existence of major powers. When the victims were minor powers or weak states, the major powers elites thought nothing about the way international politics was played. Nevertheless, when even major powers like Austria, Prussia, and France found themselves on the dock, the elites became fearful. The French Revolution and the social upheavals brought about by absolutist reforms and capitalist expansion attenuated this crisis of confidence in the system. War had now become too costly as defeat could lead to dismemberment (Prussia 1806) and victory to domestic upheaval (France in 1789). The fate of Paul I of Russia killed by his own elites for his foreign policy cast a long shadow over Francis I, and Alexander I.

What the Napoleonic wars did was force every major power to try every hat trick available by the old system to gain security and suffer for it. As a result by the end of the wars the governing elites had become disillusioned with the old system and wrought a new one in the form of the Vienna Congress. This happened in 1815 and not 1715, 1748 or 1763 because in the past some powers had gained by playing by the old rules. Austria and Russia in 1715, Prussia and Russia in 1748, and Russia and Great Britain in 1763. Only the quickly iterated conflicts of the Napoleonic wars permitted all major powers to go through all the old regimes and for the old regimes to fail all the major powers in some way.

This becomes clearer when we compare figure 7.1 to the 1816-2001 period conflict ratio for wars in figure 7.2. This comparison indicates that post 1816 the incidence of war has been decreasing. It should be noted that MIDs have an increasing trend even after 1816. What seems to have happened is that the system after 1816 became more capable in avoiding war, even if they still used military force as a tool.

Figure 7.2 Ratio of Number of Wars over Number of States 1816-2001



The information in the two graphs indicates that there was something different between the pre-1816 and post-1816 international systems. My argument is that this is due to the presence of major power

managerial coordination in the post-1816 period, and its absence in the pre-1816 period. To evaluate this I look at the quality of major power interaction in the 1715-1815 period, as interpreted through the scale of major power coordination intensity, and see how it influenced the dynamics of military conflict and peace.

## FINDINGS

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Of the 12 hypotheses presented in this project only 6 can be applied to the 1715-1815 period. Hypothesis 1 is about the expected negative association between increasing managerial major power coordination and the onset of militarized interstate disputes. Hypothesis 2 applies that same expectation to the onset of wars. Hypothesis 3 reverses the use of the scale I have used until now, expecting a positive association between increasing antagonistic coordination and the onset of militarized disputes. To calculate this I just reverse the numbers used in the scale, with higher numbers indicating less managerial coordination and more antagonism. Hypothesis 5 expects a negative association between increasing managerial major power coordination and the entrance of a major power in at least one unilateral alliance. I remind the reader that a unilateral alliance is an alliance by one or more major powers with one or more minor powers that does not target another major power. Hypothesis 6 expects increasing managerial major power coordination to be negatively associated with minor powers joining ongoing militarized interstate disputes. Hypothesis 11 expects a positive association between increasing managerial coordination and the enactment of a constitution or its reinstatement. This hypothesis can only be evaluated for the 1789-1815 period.

Of the hypotheses that cannot be evaluated in exclusivity in the 1715-1815 period I can say the following. Hypothesis 4 will be presented in the last chapter where I focus on dynamics across the whole 1715-2001 period. Hypothesis 7 that focuses on military buildups cannot be evaluated in the 1715-1815 period due to a lack of data on such events before 1816. Hypothesis 10 on the relationship between major

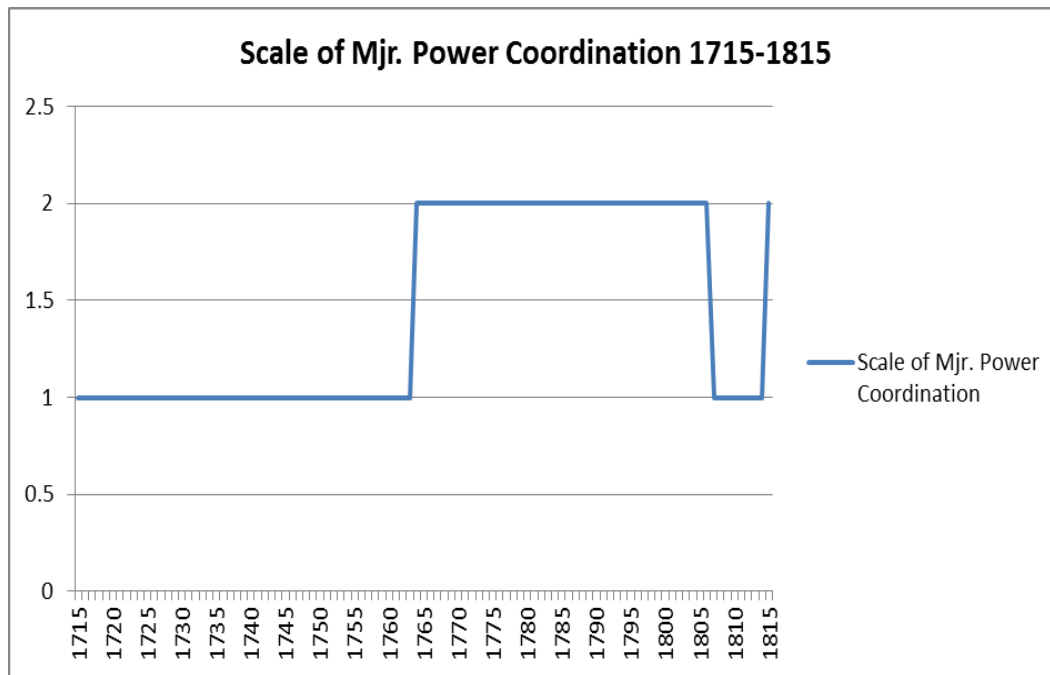
power managerial coordination and increased competition and participation in political systems as captured by the Polity 4 variable on regime transition cannot be evaluated for two reasons. First Polity only goes back to 1800, and second, within that period there are only two cases of regime transition, the USA in 1809 and France in 1814. This means that the dependent variable would have too little variation to permit meaningful statistical analysis for the 1800-1815 period. Instead I will conduct an evaluation across the 1800-2001 period in the next chapter.

Hypothesis 12 on the relationship between increasing managerial major power coordination and the birth and growth of intergovernmental organizations cannot be evaluated because of the lack on data on IGOs before 1816. I cannot assume that the lack of data necessarily means a lack of IGOs. The historical record and common wisdom would indicate this, and that would be a finding that would provide at least some *prima facie* support for my belief in the transformative effect of managerial coordination. However, the lack of data may very well be due to a lack of research on whether some kind of IGOs pre-existed 1816. Until further research this Hypothesis has to be limited to the post-1816 period.

Hypotheses 8 expects that major power managerial interventions, MIDs in which a majority or all major powers are on the same side against a minor power, should be positively associated with increasing major power coordination. That was the case in the 1816-2001 period, and the fact that no major power managerial intervention took place in the 1715-1815 period further reinforces that finding. However, it also means that hypothesis 9 on the effect of interventions cannot be evaluated in the 1715-1815 period due to the lack of variation in the variable of interest.

I do not expect increasing major power managerial coordination to have a statistically significant effect in the pre-1815 period. As Figure 7.3 indicates, and in agreement to the transformation thesis, major power behavior in the 1715-1815 period never reaches point 4 of the scale of major power managerial coordination intensity.

Figure 7.3 Scale of Major Power Coordination 1715-1815



As pointed out this is consistent with the transformation thesis. However, it does mean that until the post-1816 period, the scale variable varies a lot less in the 1715-1815 period. This leads me to expect a statistically insignificant effect on mid onset and war. In general I am not tied to any specific expectations about the behavior of the variables in the 1715-1815 period. This is *terra-incognita* for quantitative analysis. However any results will be grappled in the confines of the explanatory story provided in Chapter 3. I begin with the hypotheses evaluating the basic association between the quality of major power interaction and conflict dynamics.

### **The Association between Major Power Managerial Coordination and Peace in the Age of Kings**

Past forays into the dynamics of international relations in the 1715-1815 period were usually not predicated on looking at major power behavior as a collective variable. They also tended to focus only on war as a dependent variable. In this section I break new ground by conducting the first ever quantitative evaluation of the relationship between major power interaction, and a number of control variables with

the onset of militarized interstate disputes in the 1715-1815 period. These evaluations are possible because of the collection of the new MID data for the 1715-1815 period.

**Hypothesis 1: *Increasing managerial major power coordination should be negatively associated with the onset of originator Militarized Disputes in a politically relevant dyad year in the 1715-1815 period.***

The evaluations of this hypothesis did not show a statistically significant negative independent association between increasing managerial major power coordination and MID onset. The avoidance of adversarial major power alliances when not combined with positive cooperative elements like consultation and multilateralism cannot have the pacific effect of a full managerial coordination regime. The hypothesis is thus falsified. Table 7.1 indicates that the issue is not one of control variables, but of a lack of a strong bilateral relationship. Furthermore, as Models I and II of the table show, if major power interaction goes from one characterized by antagonistic alliances, to one lacking those, but absent of any cooperative elements, MID onset becomes more likely in the 1715-1815 period.

Table 7.1 Logit regression of increasing managerial major power coordination on MID onset, 1715-1815

MID onset 1715-1815	Model I	Model II	Model III	Model IV
Scale of major power coordination	0.201 (0.136)	0.289 (0.140)*	0.638 (0.168)***	0.231 (0.455)
Lagged dyadic sensitivity		0.525 (0.208)*	0.400 (0.233)	-0.164 (0.589)
Peace years			-0.016 (0.039)	-0.017 (0.039)
Scale*Sensitivity				0.375 (0.380)
_cons	-4.052 (0.214)***	-4.754 (0.335)***	-4.497 (0.379)***	-3.882 (0.702)***
N	9,683	9,445	9,445	9,445
L1	-1,052.74	-1,009.69	-983.70	-983.30
Chi2	2.18	9.61	40.51	42.38
R2_P	0.00	0.00	0.03	0.03

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$  Note: Standard Errors are clustered by dyad; Splines used but not shown

Models I-III indicate that major power interaction that decreases in antagonism to such an extent that it reaches point 2 of the scale is insufficient as a pacific factor. Indeed it has a statistically significant positive association with MID onset when I control for temporal autocorrelation and sensitivity. Model



IV indicates that the interaction between the scale and sensitivity does not produce any statistically significant relationships. This finding is consistent with the generally conflict inducing association of major power behavior that lacks attempts at managerial coordination during the 1816-2001 period.<sup>61</sup>

Table 7.2 presents the behavior of the variable in models that contain all those control variables that had a significant effect during the evaluation process. Model I and Model III only differ in that the preponderance measure is used instead of the relative power measure (due to high correlation the two cannot be used in the same model). Model II and Model IV contain the interaction of variables with sensitivity.

Models I and III indicate that the positive association between increases in the scale of major power coordination and MID onset becomes stronger in the presence of the control variables. In Table 1 the initially statistically insignificant scale variable became significant once I controlled for sensitivity. Including the other control variables in the models of Table 7.2 doubles the coefficient value. From the viewpoint of theory this may indicate that major power behavior that lacks elements of managerial coordination can only account for a small part of why states fight.

This may cast some doubt on the explanation for the pacific effect of major power managerial coordination. This is because if the conflict inducing effect of the lack of managerial coordination is not great, then where does the pacific influence of coordination come from?

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<sup>61</sup> I remind the reader that point 2 of the operationalized scale of major power managerial coordination intensity, which is the equivalent of point 0 of the theoretical scale, relates to major power behavior that lacks the three elements of major power managerial coordination.

Table 7.2 Logit Regression of Scale of Major Power coordination intensity on MID onset, 1715-1815

MID Onset 1715-1815	Model I	Model II	Model III	Model IV
Scale of major power coordination	0.519 (0.196)**	0.425 (0.491)	0.511 (0.197)**	0.425 (0.490)
Lagged dyadic sensitivity	0.387 (0.176)*	0.398 (0.675)	0.393 (0.174)*	0.411 (0.672)
System year with preponderant seapower	0.655 (0.181)***	1.502 (0.605)*	0.647 (0.183)***	1.484 (0.604)*
Strategic rivals	1.180 (0.262)***	1.170 (0.266)***	1.195 (0.258)***	1.182 (0.262)***
Preponderance	-0.046 (0.168)	-0.045 (0.169)		
Allied to each other	0.485 (0.162)**	0.481 (0.161)**	0.488 (0.161)**	0.484 (0.160)**
Major power Dyad	0.709 (0.405)	0.669 (0.402)	0.722 (0.413)	0.681 (0.409)
Major-Minor Dyad	0.283 (0.366)	0.258 (0.364)	0.260 (0.361)	0.239 (0.360)
Peace years	0.012 (0.041)	0.009 (0.041)	0.012 (0.041)	0.010 (0.041)
Scale*Sensitivity		0.087 (0.406)		0.080 (0.407)
Seapower Year *Sensitivity		-0.806 (0.525)		-0.795 (0.522)
Lagged relative power			-0.210 (0.314)	-0.191 (0.316)
_cons	-5.407 (0.478)***	-5.370 (0.848)***	-5.344 (0.488)***	-5.324 (0.848)***
N	9,445	9,445	9,445	9,445
Ll	-937.92	-936.77	-937.73	-936.62
Chi2	282.95	302.33	284.81	305.39
R2_P	0.08	0.08	0.08	0.08

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Errors are clustered by dyad; Splines used but not shown

However, it would be imprudent to assume symmetry between the negative effects of the absence of a condition and the positive effects of its presence. These findings may very well be just the result of the peculiarities of the data for the 1715-1815 period.<sup>62</sup> Models II and IV indicate that the interaction with sensitivity remains statistically insignificant.

Of the control variables the most interesting behavior was that of the control for whether a dyad was a major power or mixed power dyad. In the models of Table 7.2, being a major power dyad has a statistically insignificant positive association with MID onset. Considering that on a bivariate basis, being a major power dyad has a significant association, I summarize that this result is due to the inclusion of the other control variables. When it comes to the dyad being one of a major power and minor power the models in Table 7.2 indicate a positive but statistically not significant association with MID onset. Once more a significant bivariate association, this time negative, is not only wiped out by the other control variables, but also suffers sign reversal.<sup>63</sup>

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<sup>62</sup> Once again this is not unusual. Point 2 in the 1816-2001 period was a conflict inducing point in the scale, though not always. In the 1715-1815 this is even clearer. On an explanatory basis it does indicate that an abstention from some kinds of overt adversarial behaviors, in this case major power adversarial alliances, is not enough to create a pacific trend. Positive cooperative actions must accompany that abstention to create an impression among states that the major powers wish for a pacific system.

<sup>63</sup> Concerning the other control variables the following is indicated: Seapower Year: This variable shows a consistent positive and statistically significant association with MID onset. The association between a year having a dominant sea-power and MID onset is robust (75). Strategic Rivalry: The findings indicate a robust positive and statistically significant association between strategic rivalry and MID onset. This is a robust finding (75). Preponderance: The models indicate a negative but statistically insignificant association between preponderance and MID onset. The presence of the control variables has a strong effect on the behavior of this variable (75). Lagged relative power: This variable exhibits exactly the same behavior as Preponderance. Allied to each other: The models indicate a strong positive and statistically significant association between a dyad sharing an alliance and MID onset. This is a robust relationship (76). The following variables did not have a statistically significant effect during the evaluation process and thus were not included in the models: Dyad has at least one outside alliance: Model 2 of Table 76 of the statistical appendix indicates that this variable has a positive but statistically not significant association with MID onset. This is different than in the 1816-2001 period when the variable had a significant association that got wiped out by the control variables. Dyad has at least one outside major power alliance: Model 3 of Table 76 of the statistical appendix indicates that this variable has a negative but not significant association with MID onset. The insignificance is similar to the behavior this variable exhibits in the 1816-2001 period.

### *Conclusion on Hypothesis 1*

The evaluations of the hypothesis in the 1715-1815 period did not indicate a pacific association for increasing managerial major power coordination with MID onset. This makes sense as in this period major power interaction never reaches above the still antagonistic point 2 of the scale. Furthermore, the lack of variation in the variable should partly explain the insignificance of the variable's influence on MID onset. As far as what does contribute to MID onset in the 1715-1815 period one variable is the presence of preponderant sea power, logical due to the war participation of the United Kingdom in the period. A second one is two states being allied to each other, which reinforces the well-known hypothesis that allies fight each other (Bueno de Mesquita & James Lee Ray, 2004). Finally, the findings on the conflict-inducing character of strategic rivalry corroborate the findings of Colaresi, Thompson, and Rasler (2008).

***Hypothesis 2: If a politically relevant dyad experienced a dyadic militarized dispute onset, increasing managerial major power coordination should be negatively associated with that dyadic dispute onset being the onset of a war in the 1715-1815 period.***

The evaluations of this hypothesis did not show a statistically significant association between increasing managerial major power coordination and war onset. Table 7.3 presents the findings of the models evaluating the bilateral association between the dependent and independent variable as well as the models with the controls for sensitivity and temporal autocorrelation. As the models of Table 7.3 show the scale of major power managerial coordination does not have a statistically significant association with war onset. This is most likely due to the small variation of the variable in the 1715-1815 period as well as the small *n*. This holds for sensitivity and for the interaction of the scale with sensitivity.

Table 7-3. Logit of Scale of Major Power Coordination on War Onset 1715-1815

War Onset 1715-1815	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	-0.533 (0.275)	-0.475 (0.280)	-0.469 (0.253)	0.007 (1.013)
Lagged dyadic sensitivity		-0.053 (0.453)	-0.236 (0.407)	0.444 (1.495)
Peace years			-0.084 (0.053)	-0.083 (0.052)
Scale*Sensitivity				-0.437 (0.918)
_cons	1.121 (0.438)*	1.044 (0.675)	1.426 (0.600)*	0.680 (1.632)
N	221	212	212	212
L1	-148.51	-143.64	-139.02	-138.91
Chi2	3.79	2.91	13.33	13.32
R2_P	0.01	0.01	0.04	0.04

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Errors are clustered by dyad; Splines used but not shown

The inclusion of control variables does not change things substantially as Table 7.4 indicates. Models 1 and 2 of Table 7.4 indicate a dynamic similar to that found in Table 3. The scale does not have a statistically significant association with war onset. This also holds for sensitivity and also for their interaction.

When it comes to the control variables the most interesting finding is that unlike its conflict inducing effect on MID onset, being allied to each other dampens the possibility of a war onset. The models of Table 7.4 indicate a statistically significant negative association with War onset. What this means is that I may have been too quick to discount the use of alliances as a way to avoid war with an opponent. It seems that an alliance did not guarantee rosy relations or the avoidance of military conflict,

but it does seem to have protected the members from war with each other. How robust that protection is though in the long run is an open question.<sup>64</sup>

Table 7.4 Logit of Scale of Major Power coordination on War onset with Controls, 1715-1815

War Onset	Model 1	Model 2
Scale of major power coordination	-0.297 (0.292)	0.139 (1.158)
Lagged dyadic sensitivity	-0.009 (0.416)	0.806 (1.790)
System year with preponderant Seapower	1.227 (0.514)*	2.298 (1.313)
Territorial dispute	0.303 (0.085)***	0.302 (0.087)***
Allied to each other	-0.880 (0.376)*	-0.916 (0.383)*
Peace years	-0.093 (0.054)	-0.094 (0.054)
Scale*Sensitivity		-0.439 (1.057)
Seapower*Sensitivity		-1.058 (1.258)
_cons	0.604 (0.690)	-0.212 (1.949)
N	212	212
Ll	-128.21	-127.90
Chi2	27.67	31.32
R2_P	0.12	0.12

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors are clustered by dyad; Splines used but not shown

### Conclusions on Hypothesis 2

As expected, Hypothesis 2 was falsified by the evaluations. A change in major power behavior from one dominated by adversarial alliances to one that lacks them, as indicated by a movement form

<sup>64</sup> On the other control variable the following can be said: Seapower Year: This variable has a statistically significant positive association with War onset. The findings are robust (79). Territorial Issue: This variable has a strong positive association with MID onset, validating the Senese and Vasquez argument about territory and war. This is a robust relationship (79). The following variables did not exhibit a statistically significant effect during the evaluation process and thus were not included in the models presented: Strategic Rivals (79), Preponderance (80), Lag of relative power (80) Major Power Dyad (80), Major-Minor Dyad (80), At least one outside alliance: (81), At least one outside alliance with a major power (81).

point 1 of the scale to point 2, but which also lacks any elements of managerial coordination is not going to affect the possibility of dyadic military disputes being wars. Together with the findings about the 1816-2001 period, this reinforces the inadequacy of major power relations that are not characterized by cooperative elements to foster peace. Lack of overt enmity is not enough. A more activist stance by the major powers in pursuit of peace is necessary. This is probably because just avoiding open enmity does not overcome the weight of a history of enmity. A decisive change of the direction of major power relations is needed to foster peace in the system.

The variables most clearly associated with war onset in the 1715-1815 period are the presence of a preponderant sea power and presence of territorial disputes. Being allied to each other acts as a damper on a dispute being a war. The finding on sea power continues to indicate that preponderance is not peace-inducing if the preponderant power is a major war participant in the system, casting doubt on more “naïve” version of hegemony arguments. The war-inducing character of territorial issues in the 1715-1815 period agrees with the finding on the war-inducing character of territorial disputes in the 1816-2001 period. If a similar finding could be unearthed for the 1648-1715 period then one could venture to argue that territorial disputes are one of the main correlates of war in what we call “The Westphalian System”.

The fact that being allied to each other is associated with the onset of MIDs but not those MIDs being war may indicate that there was some wisdom in the attempt by 18<sup>th</sup> century states to seek alliances with potential enemies. While such alliances would not guarantee a conflict-free relationship, they seem to have helped manage disputes in a way as to not lead to war. On the other hand, what we may be seeing is the result of the decision of a state to accommodate the demands of a foe in the form of an alliance after a period of robust military threats. Only a careful look on how 18<sup>th</sup> century alliances came about can help clarify which story is more relevant.

***Hypothesis 3: Increasing antagonistic major power coordination should be positively associated with the onset of militarized interstate disputes in a politically relevant dyad year in the 1715-1815 period.***

This variable reverses the scale of major power coordination. Instead of every increasing point indicating an accumulation of cooperative elements that lead to managerial coordination, this time the points indicate increasing overt antagonism between the major powers. The expectation is that this makes MID onset is more probable. The findings in Table 7.5 indicate that this is not the case.

Table 7.5 Logit of Inverted Scale of Major Power Coordination on MID onset, 1715-1815

MID Onset 1715-1815	Model 1	Model 2	Model 3	Model 4
Inverted scale of major power coordination	-0.201 (0.136)	-0.289 (0.140)*	-0.638 (0.168)***	-0.231 (0.455)
Lagged dyadic sensitivity		0.525 (0.208)*	0.400 (0.233)	0.961 (0.643)
Peace years			-0.016 (0.039)	-0.017 (0.039)
Inverted Scale*Sensitivity				-0.375 (0.380)
_cons	-3.449 (0.216)***	-3.888 (0.295)***	-2.582 (0.431)***	-3.190 (0.802)***
N	9,683	9,445	9,445	9,445
L1	-1,052.74	-1,009.69	-983.70	-983.30
Chi2	2.18	9.61	40.51	42.38
R2_P	0.00	0.00	0.03	0.03

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors are clustered by dyad; Splines used but not shown

What the models show is that as major power behavior becomes more antagonistic there is a negative effect on MID onset. This is not statistically significant until I take into consideration sensitivity and temporal autocorrelation, and is never significant for dyads with zero sensitivity (Model 4). This is a highly peculiar result. It seems that in the 1715-1815 period major power behavior that reaches point 1 of the scale is more conflict prone than point 2 (remember that points are inverted compared to the normal scale). This is a highly problematic result as it means that adversarial alliances are not as conflict prone in



the 18<sup>th</sup> century as they were in the 19<sup>th</sup> and 20<sup>th</sup>. Table 7.6 has the models that result when I include the other control variables.

Table 7.6 Logit of Inverted Scale of Major Power Coordination on MID onset with Controls, 1715-1815

MID Onset 1715-1815	Model 1	Model 2	Model 3	Model 4
Inverted scale of major power coordination	-0.519 (0.196)**	-0.425 (0.491)	-0.511 (0.197)**	-0.425 (0.490)
Lagged dyadic sensitivity	0.387 (0.176)*	0.658 (0.618)	0.393 (0.174)*	0.652 (0.623)
System year with preponderant seapower	0.655 (0.181)***	1.502 (0.605)*	0.647 (0.183)***	1.484 (0.604)*
Strategic rivals	1.180 (0.262)***	1.170 (0.266)***	1.195 (0.258)***	1.182 (0.262)***
Preponderance	-0.046 (0.168)	-0.045 (0.169)		
Allied to each other	0.485 (0.162)**	0.481 (0.161)**	0.488 (0.161)**	0.484 (0.160)**
Major power dyad	0.709 (0.405)	0.669 (0.402)	0.722 (0.413)	0.681 (0.409)
Major-Minor dyad	0.283 (0.366)	0.258 (0.364)	0.260 (0.361)	0.239 (0.360)
Peace years	0.012 (0.041)	0.009 (0.041)	0.012 (0.041)	0.010 (0.041)
Inverted scale*sensitivity		-0.087 (0.406)		-0.080 (0.407)
Seapower* Sensitivity		-0.806 (0.525)		-0.795 (0.522)
Lag of relative power			-0.210 (0.314)	-0.191 (0.316)
_cons	-3.850 (0.597)***	-4.094 (0.879)***	-3.812 (0.595)***	-4.049 (0.884)***
N	9,445	9,445	9,445	9,445
LI	-937.92	-936.77	-937.73	-936.62
Chi2	282.95	302.33	284.81	305.39
R2_P	0.08	0.08	0.08	0.08

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors are clustered by dyad: Splines used but not shown

The models of Table 7.6 show similar results to those of Table 7.5. Increases in Major Power antagonism as captured by the scale are negatively associated with MID onset. This is significant for all cases but those dyads with 0 sensitivity (Models 2,4). Again I must remind the reader that this only

happens when I account for sensitivity and temporal autocorrelation. Otherwise the association is not significant. Either way, hypothesis 3 is falsified.<sup>65</sup>

### *Conclusions on Hypothesis 3*

Inverting the scale did not bring about the expected positive association between increased antagonism and MID Onset. The relationship was negative and not statistically significant. This finding could indicate one of the two following associations. Taking into consideration the findings for the first two hypotheses this indicates that the lack of adversarial alliances among the major power is not as much a peace-inducing factor as I hypothesized in the theory section. This does not necessarily undo the theoretical foundations of this paper, but it raises the issues of the type of evaluations used for it and the operationalization of managerial coordination.

If there is little difference between the presence and lack of adversarial alliances in major power relations that also lack any elements of major power managerial coordination, then it makes little sense to consider point 1 and point 2 of the scale as being in an ascending relationship. Indeed I may be dealing with something better represent as a three point scale or binary variable between the antagonistic points and the cooperative points. I would be hesitant to take that path though. First, in the 1816-2001 period there are differences between point 1 and point 2. Second, this might just mean that in the 18<sup>th</sup> century major power adversarial alliances are not as conflict inducing as after 1816. This may be partly explained

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<sup>65</sup> When it comes to the behavior of the control variables the following can be extracted from the models of Table 6: Seapower Year: The models in Table 6 indicate that this variable has a strong positive association with conflict onset. This is a robust relationship (83). Strategic Rivals: This variable has a consistent statistically significant positive association with MID onset. This is a robust case (83). Preponderance: This variable does not have a statistically significant association with MID onset. This is due to the presence of the other control variables (84). Allied to each other: This variable has a positive and statistically significant association with MID onset. This is a robust finding (85). Major Power Dyad: This variable has a positive but not significant association with MID onset. This is due to the control variables (86). Major-Minor Power Dyad: This variable has a positive but not significant association with MID onset. This is due to the control variables (86). Lag of Relative Power: This variable does not have statistically significant association with MID onset. This is due to the control variables (84). The following variables did not exhibit a statistically significant behavior during the evaluation process and thus were not included in Table 6: At least one outside alliance in the dyad (85), Major Power Alliance (85).

by the finding in the evaluation of the previous hypothesis, that being allied to each other in the 1715-1815 period dampened the possibility of war. These are questions for future research.

***Hypothesis 11: Increasing managerial major power coordination has a positive association with the enactment of a constitution within a given country year in the 1789-1815 period.***

In the 1816-2001 period I found indicators that increasing managerial major power coordination did not have a strong association with the enactment or reinstatement of constitutions, a finding that casts some doubt on Schroeder's legitimism argument. I remind the reader that what Schroeder meant is that while the major powers of the Vienna system were anti-democratic they were not opposed to the rationalization of politics and limits to arbitrary power, an element of which was a constitution.

In this part of the chapter I look at whether the movement from a major power interaction dominated by adversarial alliances (point 1 of scale) to one where there are no adversarial alliances but also no cooperative elements (point 2 of scale) has any influence on the birth and reinstatement of constitutions in the 1789-1815 period. Table 7.7 presents the results of the bilateral models as well as those models containing the controls for temporal autocorrelation.

Table 7.7 Logit of Scale of Major Power Coordination on Constitutional Events, 1789-1815

Constitutional Event 1789-1815	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	1.288 (0.208)***	1.325 (0.212)***	0.265 (0.833)	1.140 (1.156)
Lagged monadic sensitivity		0.286 (0.108)**	-0.411 (0.544)	-0.255 (0.750)
Scale*Sensitivity			0.378 (0.291)	0.229 (0.395)
Time from last constitutional event				0.032 (0.078)
_cons	-2.286 (0.375)***	-3.142 (0.508)***	-1.178 (1.566)	-2.089 (2.213)
N	539	531	531	402
L1	-352.38	-344.07	-343.25	-245.91
Chi2	41.91	47.16	48.80	64.27
R2_P	0.06	0.06	0.07	0.12

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Splines used but not shown

The models of the table indicate an initially statistically significant association that becomes insignificant when sensitivity is 0 (5.35% of cases). This indicates that there may be some veracity in the argument I put forward for the positive effect on domestic political progress when major power antagonism is not at its strongest. However, considering that most constitutional events in the 1789-1815 period happened in the fires of the Napoleonic Wars, this would be a statement that is too ambitious. Table 7.8 presents the results of the Models including the only control variable for the era, state age.

Table 7.8 Logit of Scale of Major Power Coordination on Constitutional Events, 1789-1815

Constitutional Event 1789-1815	Model 1	Model 2
Scale of major power coordination	1.832 (0.280)***	1.208 (1.164)
Lag of monadic Sensitivity	0.151 (0.140)	-0.257 (0.754)
State age	0.004 (0.004)	0.004 (0.004)
Time from last Constitutional event	0.026 (0.078)	0.025 (0.078)
Scale* Sensitivity		0.219 (0.397)
_cons	-3.604 (0.702)***	-2.420 (2.250)
N	402	402
L1	-245.57	-245.42
Chi2	64.94	65.24
R2_P	0.12	0.12

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Splines used but not shown

The inclusion of state age does not change the results. A really quick run of predicted probabilities indicates that when all other variables are set at mean, increasing the scale from point 1 to point 2 increases the predicted probability of a Constitutional Event by .285 or from .237 to .558.

### *Conclusions on Hypothesis 11*

The hypothesis was not falsified by the evaluations. However the historical conditions under which the observations took place do not permit the use of the finding to support the legitimist argument. The America and French constitutional events took place during a period of decreased antagonism after Britain's retreat from international politics due to the War of American Independence. But the other constitutional events (Switzerland, Netherlands, and France after 1800) took place in the fires of the Napoleonic Wars. However one can use them as indicators of the general argument that peace is conducive to internal political reforms (Gibler, 2012). These findings require further research.

***Hypothesis 5: Increasing managerial major power coordination should be negatively associated with major power initiating membership in at least one unilateral alliance with a minor power in a given major power country year in the 1715-1816 period.***

In the 1816-2001 period this hypothesis was not falsified by the evaluations, providing a powerful indicator that denial of major power resources to minor states through alliances may be the explanation for the negative association between major power managerial coordination and conflict onset. This time I am looking at whether the lack of major power adversarial alliances in the 1715-1815 period is associated with a lack of major-minor alliances in the same time, even if there are no managerial coordination signals by the major powers. I remind the reader that in this period major powers are the prime drivers of alliance dynamics.

Table 7.9 presents the bivariate models about the association between major power unilateral alliance activity and increasing managerial major power coordination (Model 1). It also contains multivariate models with controls for temporal auto-correlation and sensitivity (Model 2). Models 3 and 4 contain the interaction between sensitivity and the scale.

Table 7.9 Logit of Major Power Managerial Coordination on Unilateral Alliance Ascension, 1715-1815

Unilateral Alliance Ascension 1715-1815	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	-0.499 (0.193)**	-0.403 (0.196)*	-1.034 (0.630)	-0.479 (0.740)
Lagged monadic sensitivity		0.202 (0.101)*	-0.109 (0.305)	0.278 (0.345)
Scale*Sens			0.235 (0.220)	-0.070 (0.257)
Years since last major-minor alliance				-2.356 (0.301)***
_cons	-0.957 (0.272)***	-1.673 (0.388)***	-0.842 (0.860)	0.077 (0.971)
N	900	891	891	891
L1	-395.52	-378.09	-377.51	-301.55
Chi2	6.96	8.61	9.78	161.69
R2_P	0.01	0.01	0.01	0.21

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Splines used but not presented

Model 1 and 2 indicate a statistically significant negative association between increasing managerial major power coordination and the ascension of major powers to unilateral alliances with minor powers. This indicates that the lack of major power adversarial alliances may also see the individual major powers avoiding entering alliances with minor powers. This may indicate an unwillingness of major powers to risk the happy lack of dangerous entanglements between themselves, by becoming tied up in alliances with minor powers that may lead them to conflict with each other. However, the implications are something requiring further research, beyond the scope of this manuscript.

However, Model 3 of Table 7.9 indicates that the hypothesis is falsified. The negative association between the lack of major power adversarial alliances and major power unilateral alliances is not

statistically significant when I control for time since the last unilateral alliance. The interaction between the scale and sensitivity is also statistically insignificant. Is this a legitimate control? Yes if we believe that past alliances, affect the decision of a state to enter a new alliance. In general it can also control for previously activist policy, and how that may create an impetus in the state apparatus for future active policy.

Why is this finding the result of the evaluation? If I do a cross-tabulation of the two points of the scale in the 1715-1815 period and which major power state years saw at least one major power unilateral alliance the percentages meet the expectations of the hypothesis (19% at point 1, 9% at point 2). The raw numbers indicate a possible contemporariness between the absence of adversarial major power alliances in the system, and the avoidance of major power alliances with minor powers.

What may be going on is that current major-minor power dynamics are mostly driven by past major-minor power dynamics. Past alliances seem to make current alliances less likely. This is an interesting result. Why would a past major-minor alliance make it less likely that a major power will become an ally with a minor power in the future? It may be driven by the very nasty treatment minor powers received at the hand of their major power allies. Examples of this are Poland with Prussia, Venice with Austria. Consequently minor powers once allied to a major power may avoid allying with it in the future. But this is a supposition, not fact and I am still not sure why it dampens the effect of increasing managerial major power coordination.

Of the three control variables used: preponderant sea power status, system year with preponderant sea power, and ongoing dispute, only the presence of a preponderant sea power in a system year remained significant throughout the evaluation process. Table 7.10 presents the bivariate and multivariate models with this control variable.

Table 7.10 Logit of Scale of Major Power Coordination on Major Power Unilateral Alliance Ascension with control for preponderant sea-power, 1715-1815

Unilateral Alliance Ascension 1715-1815	Model I	Model II	Model III	Model IV
Scale of major power coordination	-0.361 (0.202)	-0.226 (0.207)	-0.536 (0.243)*	-0.404 (0.768)
System year with preponderant seapower	0.613 (0.235)**	0.744 (0.239)**	0.711 (0.296)*	0.865 (0.866)
Lagged monadic sensitivity		0.206 (0.103)*	0.189 (0.113)	0.261 (0.375)
Peace years			-2.484 (0.313)***	-2.482 (0.314)***
Scale*Sens				-0.049 (0.268)
Seapower*Sens				-0.061 (0.319)
_cons	-1.254 (0.302)***	-2.063 (0.419)***	-0.016 (0.468)	-0.206 (1.052)
N	900	891	891	891
L1	-392.28	-373.50	-298.70	-298.67
Chi2	13.44	17.79	167.39	167.45
R2_P	0.02	0.02	0.22	0.22

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$   
Note: Splines used but no presented

The models of table 10 do not change the dynamics found in the models of Table 9. Being in a year when a preponderant seapower exists increases the chances of a major power entering a unilateral alliance with a minor power, expect when sensitivity is 0 (Model 4). Increases in managerial coordination from point 1 to 2 still lack a statistically significant association. Hypothesis 5 is falsified.<sup>66</sup>

<sup>66</sup> When it comes to the control variables not in Table 10, the following can be pointed out: Seapower: The Models of Table 92 of the statistical appendix indicates that this variable does not have a robust statistically significant



### *Conclusion on Hypothesis 5*

Hypothesis 5 was falsified by the evaluation process. What does this mean for the general argument of this project? My thoughts are that the main point to extract is that denial cannot operate successfully in the absence of strong signals of managerial coordination.<sup>67</sup> The lack of major power adversarial alliances is not enough to deter major power unilateral behavior. Consultation and multilateralism are essential elements for a denial effect.

***Hypothesis 6: Increasing managerial major power coordination should be negatively associated with a minor power entering an ongoing bilateral conflict in a given year in the 1715-1815 period.***

The previous hypothesis indicated that denial mechanisms, the denial by major powers of their political and military support to minor powers, may not function without the presence of consultation and multilateralism. The absence of antagonism in the form of adversarial alliances is not a sufficient condition for denial mechanisms as far as major power alliance dynamics are concerned. What about discouragement, the avoidance of international military activity by minor power due to the fear of major power censure or punishment? This hypothesis postulates that the movement of major powers away from adversarial alliances may discourage minor powers from entering ongoing conflicts. It is as noted in the previous Chapter and Chapter 4, a proxy hypothesis.

This is because I lack the detailed information that would permit me to collect data on how major powers reacted to minor power attempts to join an ongoing conflict and why minor powers decided to avoid it. I thus assume that the avoidance of major power adversarial alliances also means that major powers are adverse to minor power unilateral military activity on the basis that such activity may bring

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relationship with unilateral alliance ascension. Ongoing Dispute: The Models of Table 93 of the statistical appendix indicates that this variable does not have a robust statistically significant association.

<sup>67</sup> I remind the reader that denial here refers to those mechanisms through which increased major power managerial coordination makes the system more pacific that entail the major powers not giving their military and political support to other major powers or minor powers. The other mechanism is discouragement, in which major powers discourage minor or major power unilateral behavior by threats or censure.

major powers into conflict. I also assume that when minor powers decide to join an ongoing dispute or not they will take into consideration the general international environment as expressed by major power interactions. They will wish to follow the lead of the major powers except if there is no choice.

Neither assumption is totally indefensible as cases of such activity exist. Prussia and the United Kingdom discouraged Denmark from entering the Russo-Swedish War of 1788, during a period when no overt major power adversarial alliances existed in the European system. However, the general relationships are assumptions and not facts. Consequently any findings will have to be taken as indicators of an association worth further study, rather than as a decisive resolution of the issue at hand.

Table 7.11 presents negative binomial regression models of increasing managerial major power on the number of ongoing disputes a minor power joins. Model 1 and 2 are bivariate models using the scale and sensitivity measures and Model 3 is multivariate using the scale and sensitivity variables.

Table 7.11 Negative Binomial Regression of Major Power Coordination on number of ongoing disputes a minor power joins, 1715-1815

Minor Power Ongoing Dispute Joining 1715-1815		Model 1	Model 2	Model 3
# of ongoing disputes joined	Scale of major power coordination	-0.471 (0.183)**	-0.296 (0.187)	-0.926 (0.644)
	Constant	-1.648 (0.262)***	-3.035 (0.436)***	-2.158 (0.936)*
	Lagged sensitivity		0.974 (0.246)***	0.252 (0.731)
	Scale*Sensitivity			0.526 (0.513)
Lalpha	Constant	0.528 (0.372)	0.431 (0.387)	0.430 (0.387)
N		1,550	1,524	1,524
L1		-514.97	-491.64	-491.10
Chi2		6.84	23.96	25.03
R2_P		0.01	0.02	0.02
Chi2_C		16.81	15.14	15.12

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The models of the table indicate that hypothesis 6 is falsified by the evaluation. While an increase in major power coordination from point 1 to point 2 has a negative association with the number of ongoing disputes minor powers join, this is not statistically significant once we include sensitivity. Discouragement, like denial, does not seem to work with just the absence of major power adversarial alliances. I remind the reader, that sensitivity controls for how much major power activity a state, or its politically relevant neighborhood, has experienced. The more sensitive to major power activity a state is, the more likely it is to be influenced by major power behavior.

Table 7.12 presents the models with the inclusion of those control variables that remained significant in the evaluation process. Model 1 lacks the interaction of sensitivity and the scale variable that Model 2 has.

Table 7.12 Negative Binomial Regression of Major Power Coordination on number of ongoing disputes a minor power joins, 1715-1815 with controls.

Minor Power Ongoing Disputes Joining 1715-1815		Model 1	Model 2
# of ongoing disputes joined	Scale of major power coordination.	-0.395 (0.178)*	-1.113 (0.662)
	# of ongoing disputes could join	0.032 (0.023)	0.029 (0.024)
	# Ongoing disputes	0.260 (0.065)***	0.260 (0.065)***
	Lagged Monadic Sensitivity	0.084 (0.244)	-0.706 (0.724)
	_cons	-0.827 (0.445)	0.154 (0.949)
	Scale * Sens		0.597 (0.527)
Lalpha	_cons	-15.843 (1,021.374)	-47.352 (0.000)
N		335	335
Ll		-272.65	-272.00
Chi2		26.71	28.02
R2_P		0.05	0.05
Chi2_C		0.00	0.00

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Model 1 of Table 12 indicates a statistically significant negative association between the scale variable and the number of ongoing disputes a minor power joins. This is deceptive though. This is because the models of Table 7.11 indicate this happens due to the control variables. The results of bivariate evaluations (not pictured), indicate that the main driving force of states joining ongoing MIDs is opportunity (how many ongoing MIDs are going on in a states neighborhood), and conflict proneness as expressed in the number of MIDs a state is embroiled in at any one point of time. While these are findings that may be worth further study, for the time being hypothesis 6 remains falsified.<sup>68</sup>

### **Conclusion on Hypothesis 6**

The falsification of Hypothesis 6 indicates that just the absence of major power adversarial alliances is not able to pacify international relations through discouragement. Indeed, this may mean that consultation and multilateralism are required for the major powers to avoid overt antagonism, rather than being a result of the lack of overt antagonism.

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## *CONCLUSION FOR CHAPTER 7*

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In this chapter I looked at the European precursor of the international system before the point of transformation in 1816. This is the system before major power managerial coordination was reached by major powers. It is a system of either intense major power enmity expressed through adversarial alliances or at best a tenuous avoidance of such alliances that is not accompanied by any of the cooperative elements of managerial coordination. It is a system of power-politics. My expectation was that the strong pacific findings found in the 1816-2001 period will be absent in this pre-transformation environment. I was not proven wrong. The findings are:

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<sup>68</sup> The association between the number of opportunities for joining an ongoing dispute in the form of ongoing disputes of neighbors, while positive with actually joining is not statistically significant. This is due to the control variables (97). The more ongoing disputes a state is embroiled in the more likely it is to join other state disputes. This is a robust association (96). Being a system year with a preponderant sea power does not have a statistically significant association (95)

- That before 1816 major power coordination only reached point 2 of the scale, the avoidance of adversarial alliances. Before 1816 the cooperative elements of major power managerial coordination are either overwhelmed by the presence of adversarial alliances or not present, as expected by the transformation thesis.
- The lack of adversarial alliances between the major powers devoid of any cooperative elements of managerial coordination is a conflict-inducing condition in the 1715-1815 period when it comes to MID onset.
- The lack of adversarial alliances between the major powers devoid of any cooperative elements of managerial coordination is not statistically strong enough to dampen the possibility of war-onset in the 1715-1815 period.
- The creation of adversarial alliances between the major powers in the 1715-1815 period is not strongly associated with MID onset.
- The lack of adversarial alliances between the major powers devoid of any cooperative elements of managerial coordination does have an association with the enactment and reinstatement of constitutions in the 1789-1815 period.
- The denial mechanisms for explaining the pacific effect of increasing managerial major power coordination may not work under conditions of absence of major power adversarial alliances but also a lack of cooperative elements of major power managerial coordination.
- The discouragement mechanism for explaining the pacific effect of increasing managerial major power coordination may not work under conditions in which the major powers are avoiding adversarial alliances, but are also not engaged in the cooperative elements of major power managerial coordination.
- The main correlates of MID onset in the 1715-1815 period are the presence of a preponderant sea power (the UK in this period), states being allied to each other, and

strategic rivalry. The main correlates of War onset in the same period, are the presence of a preponderant sea power and the existence of territorial dispute, while being allied to each other dampens the possibility of war.

The findings from the evaluations in this chapter indicate the following. For major power coordination to have a pacific effect it must include at least one of the active cooperative managerial elements (consultation or multilateralism), beyond the avoidance of major power adversarial alliances. Just trying to avoid the overt expression of hostility that is an adversarial alliance will not help the major powers secure the pacific management of international issues. They must instead strive in a trajectory of positive action to proscribe and prescribe behaviors in the broader international system that will secure the relative peace they wish for. To have peace the major powers must engage in active management, rather than just avoiding antagonism in their numbers.

*The findings confirm that something monumental happened in 1816 when it came to the quality of major power coordination.* The 1715-1815 period did not see positive coordination elements in major power behavior. It is only after 1816 that the major powers become capable of envisaging their relations as something more than overt antagonism or opportunistic cooperation on specific issues. The 18<sup>th</sup> century was the age of major powers as opportunistic actors. The 19<sup>th</sup> century saw the major powers attempt to become managers of the international system, and succeed in doing so for part of that period.

Part of this transformation of international politics captured by the scale of major power coordination intensity can be explained by the growing confidence of western societies that they could morph the future of human affairs, a result of the break from the presentism of medieval society.<sup>69</sup> But part may be due to major power elites becoming wary of the domestic consequences of war after the dangerous Napoleonic Wars, as Schroeder describes (1994). In the next chapter I take a more full view of the role of managerial coordination by conducting evaluations of its influence on conflict and peace for

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<sup>69</sup> This was a point offered by Peter Halden.

the whole 1715-2001 period. This will permit me to better understand the role the results in the 1715-1815 period play in the grander theoretical story of transformation.

Most of the models in this period produced results supporting the Null hypothesis that there is no statistical association. This lack of statistical power may be driven by the lack of variation in the data in the 1715-1815 period. In some instances, like in that the scale of major power managerial coordination intensity does not show much variation in the generally low to non-existent level of managerial coordination behavior by the major powers in the period, this lack of variation was expected by theory. But in many cases it is the result of the lack of data on variables of interest in the 18<sup>th</sup> century.

Statistical power is partly driven by an abundance of data and variables that permit scholars to capture more of the empirical reality they wish to study. The 1715-1815 Datasets are still in their infancy and we thus lack many variables that are available for later periods. Many variables are also crude, as new variables tend to be. My expectation is that more data is made available concerning international politics, and the intersection of international and domestic politics in the 18<sup>th</sup> century, future models should prove more informative. But for the time being, I must work with the data we have, not the data I would like researchers to have.

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## CHAPTER 8: BRINGING IT ALL TOGETHER, THE 1715-2001 PERIOD

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### *INTRODUCTION*

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The previous three chapters presented the findings from the evaluation of the effect of major power coordination on peace in the 1816-2001 period, and the 1715-1815 period. Within the 1816-2001 period the findings indicated that major power managerial coordination and the movement of major power behavior towards managerial coordination does indeed have a pacific influence on international relations. Findings indicate that this influence may be due to denial rather than discouragement dynamics.<sup>70</sup> The supposition based on Schroeder's work that the transformation that major power coordination brings to international politics has a domestic element was not supported in a decisive manner. Increasing managerial major power coordination is associated with increases in participation, competition, and executive constraints within states, but that is not necessarily expressed in the preferred legitimist tool, a constitution. It is also not associated with the ascension of state into intergovernmental institutions. Thus the long term pacific effect of managerial coordination is not as strong as expected, but in the short term it has a decisive pacific influence.

The findings of the 1715-1815 period indicate that the transformation thesis is correct in that 1816 is a crucial date for major power managerial coordination. Before that date major power coordination never reaches a cooperative character. Just the lack of adversarial alliances, the most cooperative major power behavior is in the 1715-1815 period, does not have a pacific influence. The findings in the two periods indicate that the presence of the more active cooperative elements of major power managerial coordination, consultation and multilateralism, are important for its pacific influence.

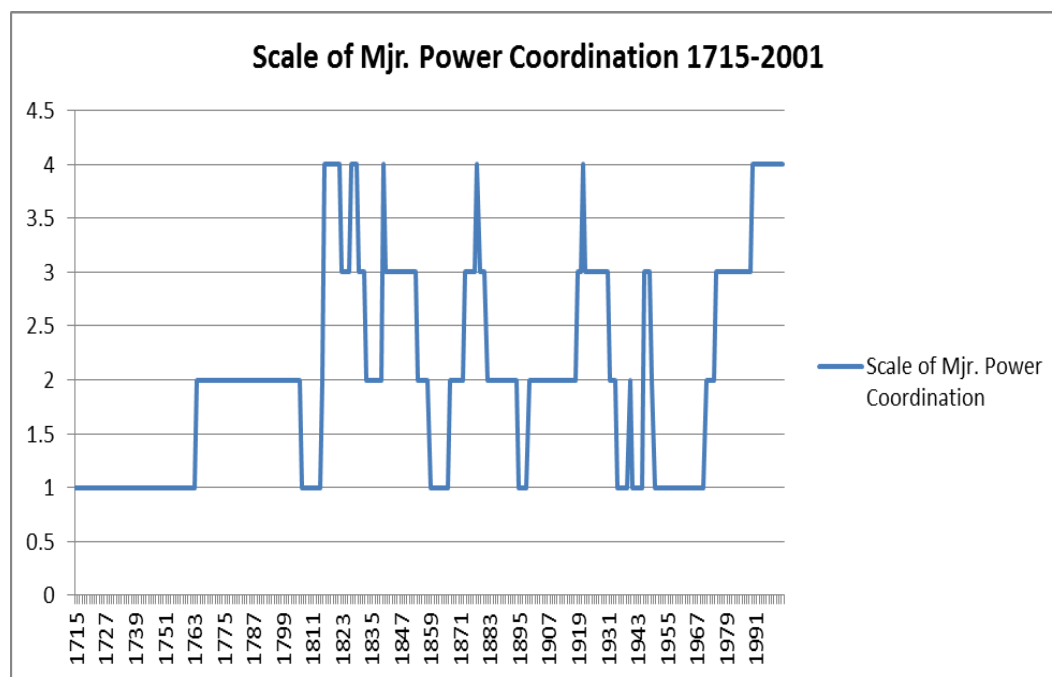
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<sup>70</sup> I remind the reader that denial mechanisms entail the major powers denying other states their diplomatic and material support. Discouragement entails the major powers discouraging other states through threats or prescriptions from taking a course of action.



The time has come now to evaluate the strength of the pacific effects of coordination across the entire 1715-2001 period. There are several reasons to do this. First, the addition of the 1715-1815 period makes the evaluations harder as it adds observations in which managerial coordination was at the lower, less cooperative levels. Second, the addition permits me to evaluate the main argument of this study, that increasing managerial coordination is one of the explanations for the increasingly pacific character of the modern era across the history of most of modernity (with only the 1648-1715 and post-2001 periods missing). Finally the full period evaluation permits me to look at the influence of managerial coordination on the evolution of the modern state system by bringing together the pre-transformation period (1715-1815), the transformation period (Vienna system) and the post transformation period (after 1850). Figure 8.1 presents graphically the level of major power coordination as captured by the scale of major power coordination intensity for the whole 1715-2001 period.

Figure 8.1 Scale of Major Power Coordination 1715-2001 period



## **What is evaluated?**

Not all hypotheses are evaluated for the 1715-2001 period. The main reason for this is the lack of information on some variables in the pre-1815 period. In some cases, like the existence of nuclear weapons, we can assume with certainty the value of those variables before 1815. In other cases things are not so clear. The main issue is the population of IGOs before 1815. Since we do not have data on IGO membership before 1816 I am unwilling to run hypothesis 12 about IGO ascension before 1816. Another issue is the mutual military buildup variable. While I have provided draft data on military capabilities in the pre-1815 period, this data cannot be used in its current form to give us information on arms races or military buildups before 1816. Thus I do not evaluate Hypothesis 7 that focuses on military buildups. Hypothesis 3 only applied to the 1715-1815 period. The addition of 1715-1815 will not change the falsifying result of Hypothesis 9, which focused on whether the temporal shadow of major power managerial interventions made MID onset less likely, since no major power managerial interventions took place before 1815.

All other hypotheses are evaluated. Hypothesis 1 (mid onset), 2 (war onset), H5 (major power unilateral alliances), H6 (minor power joining ongoing disputes), H8 (managerial interventions onset) are evaluated for the whole period. Hypothesis 10 on increasing participation and competition within a polity is evaluated for the 1800-2001 period, since the Polity dataset begins in 1800. Hypothesis 11 on the association between managerial coordination and the enactment and reinstatement of constitutions will be evaluated for the 1789-2001 period since the Comparative Constitutions dataset does not go before 1789.

Hypothesis 5 was not evaluated in previous chapters and shall be evaluated here. Hypothesis 5 presents an argument about the usual conceptions of periodization by political scientists. It divides the 1715-2001 period into five sub-periods which are commonly used by political scientists and historians. These are the pre-1815 period, the Vienna System (1816-1849), the Age of Imperialism (1850-1945), the Cold War (1946-1990), and the Unipolar moment (1991-2001). In a way this periodization partly

corresponds to periods characterized by high or low managerial coordination between the major powers, or to specific distributions of major power capabilities. I am using these periods to conduct a dyad-based evaluation of the general argument.

I divide the history of each dyad into the five periods. For each period I compile the number of MID onsets and War onsets the dyad experienced. I also compile the number of years that major power coordination reached levels 4, or levels 3 and 4. This does two things. In one way it evaluates if this periodization is partly driven by coordination dynamics between the major powers. If this is the case any study that uses some combination of these periods is unknowingly controlling for major power coordination. If those periods are by default associated with varying levels of military conflict due to the level of major power coordination, then it would be imprudent to use these periodizations when evaluating levels of military conflict. This is the second thing that I can do with the periodization, which is to evaluate how much conflict dynamics in each period are driven by coordination dynamics.<sup>71</sup>

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## THE FINDINGS

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***H1: Increasing managerial major power coordination should be negatively associated with the onset of originator Militarized Disputes in a politically relevant dyad year in the 1715-2001 period.***

In the 1816-2001 period this hypothesis was not falsified by the evaluations. In 1715-1815 it was. My expectation for the full period evaluation is that it will not falsify the hypothesis. This is because the

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<sup>71</sup> When it comes to control variables only a minimal number can be used in this full test. These are dyadic democracy/ monadic democracy/ number of years in a period a dyad was a dyadic democracy , proportion of democratic major powers/ average proportion in period, strategic rivalry/ number of years in period that dyad had strategic rivalry, allied to each other/ number of years in period allied to each other, outside ally/ number of years in period with outside ally, outside ally was a major power / number of years in period with an outside major power ally, preponderance/ number of years in dyad period with preponderance, dominant sea power year/ number of years in period with dominant seapower, nuclear state, nuclear dyad/ number of years in period that dyad is a nuclear one, ongoing disputes, chances to join ongoing disputes, state age, and national capability.

inclusion of 1715-1815 will bring in 100 years of low level major power managerial coordination, periods characterized by antagonism. These 100 years will bring into sharp focus the fewer periods of managerial coordination as well because those fewer periods were more peaceful than the now larger normal of major power enmity. Table 8.1 presents the bivariate findings between increasing managerial major power coordination and MID onset.

Table 8.1 Logit of scale of major power coordination on MID onset, 1715-2001

MID Onset 1715-2001	Model I	Model II	Model III	Model IV	Model V	Model VI
Scale of mjr. power coordination	-0.193 (0.030)***	-0.147 (0.025)***	-0.202 (0.032)***	-0.190 (0.056)***	-0.141 (0.025)***	-0.122 (0.043)**
Peace Years		-0.294 (0.016)***			-0.359 (0.019)***	-0.359 (0.019)***
Lagged dyadic sensitivity.			-0.148 (0.134)	-0.103 (0.195)	-0.016 (0.098)	0.055 (0.143)
Scale* Sens.				-0.021 (0.078)		-0.033 (0.059)
_cons	-3.097 (0.084)***	-1.584 (0.094)***	-2.986 (0.130)***	-3.013 (0.165)***	-1.299 (0.121)***	-1.342 (0.147)***
N	95,880	95,880	93,371	93,371	93,371	93,371
L1	-12,228.51	-11,038.05	-11,931.69	-11,931.58	-10,581.78	-10,581.49
Chi2	41.72	888.14	40.77	41.32	1,029.55	1,051.81
R2_P	0.00	0.10	0.00	0.00	0.12	0.12

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad; Splines used but not presented

The findings presented in Table 8.1 do not differ substantially from those found in the 1816-2001 period. Increasing managerial major power coordination has a statistically significant negative association with MID onset under all conditions, even when sensitivity is 0 (13% of observations). Table 8.2 presents the two multivariate models with the control variables. One is with interactions, the other without interactions.

Table 8.2 Logit of scale of major power coordination on MID onset with controls, 1715-2001

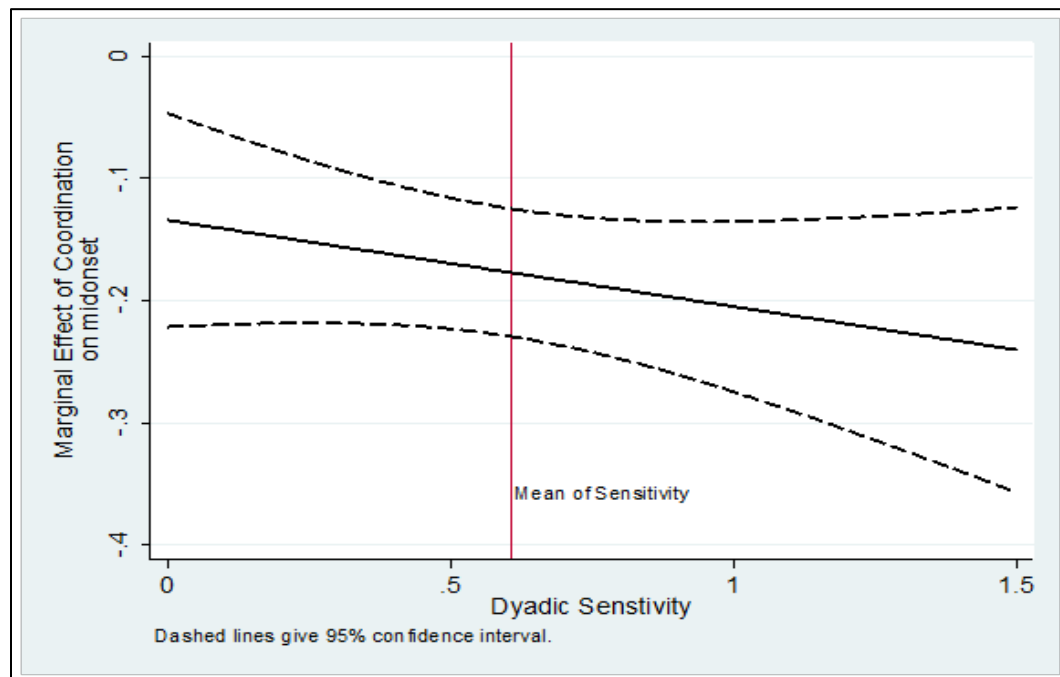
MID Onset 1715-2001	Model 1	Model 2
Scale of major power coordination	-0.176 (0.027)***	-0.134 (0.045)**
Lagged dyadic sensitivity	0.182 (0.083)*	0.169 (0.156)
Proportion of major powers that are democracies	0.905 (0.149)***	0.634 (0.278)*
Allied to each other	0.101 (0.067)	0.112 (0.069)
At least one outside major power alliance	0.133 (0.067)*	0.129 (0.068)
Strategic rivalry	1.441 (0.093)***	1.441 (0.094)***
Preponderance	-0.458 (0.084)***	-0.457 (0.084)***
Dyad members are nuclear powers	0.504 (0.272)	0.492 (0.272)
One member has nuclear weapons	-0.350 (0.108)**	-0.346 (0.108)**
Major power dyad	-0.237 (0.104)*	-0.227 (0.105)*
Peace years	-0.277 (0.016)***	-0.277 (0.016)***
Scale*Sens		-0.071 (0.059)
ProDem*Sens		0.372 (0.299)
_cons	-2.192 (0.136)***	-2.155 (0.176)***
N	93,371	93,371
Ll	-9,916.01	-9,914.12
Chi2	2,441.73	2,475.93
R2_P	0.17	0.17

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Error clustered by dyad; Splines used but not presented

The findings of Table 8.2 indicate that major power coordination has a statistically significant association with MID onset in the 1715-2001 period. This holds, as model 2 indicates, even when dyadic sensitivity is 0 (13% of observations).<sup>72</sup> Figure 8.2 presents the interaction between the scale and sensitivity variable to facilitate interpretation.

Figure 8.2 Marginal Effect of Coordination on MID onset when conditioned by sensitivity, 1715-2001



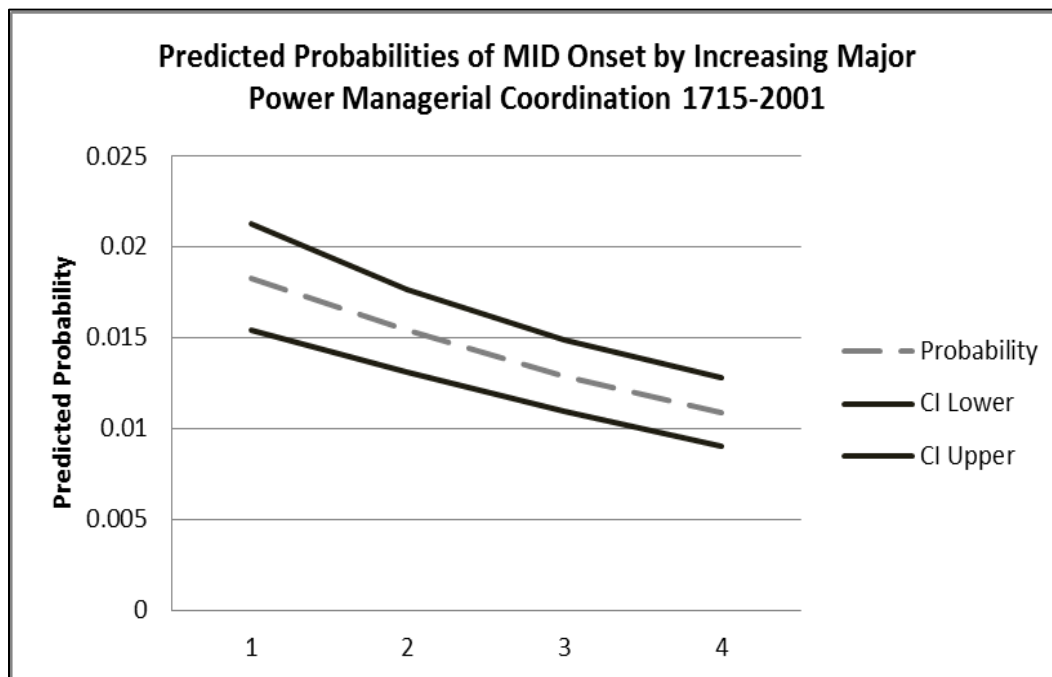
The figure indicates that the effect of coordination on MID onset is significant under all values of

<sup>72</sup> When it comes to the control variables the following can be said: An increasing proportion of major powers that are democracies has a statistically significant positive association with MID onset. This is a robust relationship (100). Being allied to each other has a positive but statistically insignificant association with MID onset. This is due to the other control variables (102). Having at least one outside alliance that is with a major power has a positive statistically significant association with MID onset. This is a robust association (103). Strategic Rivalry has a statistically significant positive association with MID onset. This is a robust association (106). Preponderance has a statistically significant negative association with MID onset. This is a robust relationship (107). Being a nuclear dyad has not statistically significant effect on MID onset. This is due to the other control variables (108). Being a dyad where only one state has nuclear weapons has a statistically significant negative association with MID onset. This is a robust relationship (109). Being a major power dyad has a statistically significant negative association with MID Onset. This is a robust relationship (111). The following variables did not exhibit a statistically significant association with the dependent variable during the evaluation process and thus were not included in the final model: System year with a preponderant sea power (101), At least one outside alliance (104), Democratic dyad (105). One dyad member being a preponderant major power sea-power (110).

sensitivity, and that as sensitivity increases that effect becomes stronger. This means that regardless of how close or isolated from the *foci* of major power activity a dyad is, the managerial coordination of major powers is associated with that dyad avoiding MID onset.

Figure 8.3 presents the substantive effect in the form of changes in the predicted probability of mid onset when the scale of major power coordination increases in value.

Figure 8.3 Predicted Probability of MID onset and Scale of Major Power Coordination



It is based on Model 2 of Table 2 with the base scenario having all binary variables set to their median, all continuous to mean, sensitivity set to mean, the interaction of sensitivity and the scale set to the value that results from multiplying the current level of the scale with the mean of sensitivity, and sensitivity set to 1.<sup>73</sup> The figure indicates a decreasing predicted probability of mid onset as coordination increases. Going from level 1 coordination to level 4 decreases the predicted probability of mid onset by .0074 from .0183 to .0109 (by about 40%).

<sup>73</sup> The actual values are allied to each other =0, at least one outside alliance with major power =1, strategic rivals=0, Preponderance =1, Nuclear dyad=0, One nuclear power in dyad=0, major power dyad=0, proportion of democratic major powers \* sensitivity=.233690

## Conclusion on Hypothesis 1

The findings fail to falsify hypothesis 1. Taking into consideration the findings for the 1715-1815, 1816-2001 and 1715-2001 periods I can confidently say that increasing managerial major power coordination has a pacific effect on MID onset between dyads of states. At this very crucial level of interstate relations, states are less apt to engage in a militarized dispute between them when the major powers are engaged in managerial coordination. This association is independent of how sensitive a dyad is to major power activity. The findings of the 1715-1815 period indicate that Paul Schroder is correct in his transformation thesis. This effect is tied to the first time major powers tried their hand in managerial coordination in Vienna in 1816.

This finding by itself is novel and important. No other quantitative research has looked at the possible effect of group major power interaction on the MID dynamics of states. The fact that MID onset is in an upward trend compared to war onset over the last 300 years may have an explanation in the difficulty major powers had over most of this long period to enact managerial coordination. However when they do strive to reach that point of interaction, MID onset is dampened. Major Power managerial coordination is a part of the puzzle of peace.

***Hypothesis 2: If a politically relevant dyad experienced the onset of a MID, increasing managerial major power coordination should be negatively associated with a dispute escalating to war in the 1715-2001 period.***

In the 1816-2001 period the findings indicated that increasing managerial major power coordination has a negative association with War onset in all cases but that minority where sensitivity to major power activity is 0. In the 1715-1815 period there was no statistically significant association between the scale variable (in this case indicating the difference between major power interaction characterized by adversarial alliances and one lacking both adversarial and cooperative elements) and war onset.

In the 1715-2001 period I expect similar results to the 1816-2001 period. Table 8.3 presents the



bivariate models between the scale and war onset.

Table 8.3 Logit of Scale of Major Power Coordination on War Onset, 1715-2001

War Onset 1715-2001	Model 1	Model 2	Model 3	Model 4	Model 5
Scale of major power coordination	-0.522 (0.058)***	-0.493 (0.058)***	-0.091 (0.125)	-0.459 (0.061)***	-0.044 (0.126)
Peace Years		-0.134 (0.022)***		-0.103 (0.023)***	-0.108 (0.023)***
Lagged dyadic Sensitivity			2.476 (0.367)***	1.474 (0.167)***	2.500 (0.356)***
Scale *Sensit.			-0.514 (0.147)***		-0.549 (0.147)***
_cons	-0.888 (0.145)***	-0.453 (0.154)**	-2.911 (0.314)***	-1.748 (0.178)***	-2.545 (0.315)***
N	2,696	2,696	2,633	2,633	2,633
Ll	-991.59	-955.93	-861.69	-846.55	-840.26
Chi2	82.30	131.66	134.37	152.50	194.22
R2_P	0.04	0.07	0.11	0.12	0.13

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

Note: Standard Errors clustered by dyad; Splines used but not presented

The findings do not indicate a big departure from those of the 1816-2001 period. Increasing managerial major power coordination has a statistically significant negative association with War onset, except when sensitivity is 0 (about 19% of observations). Increasing sensitivity itself has a positive and statistically significant association with War onset. Including the control variables does not change this result. Table 8.4 presents the multivariate models with the control variables. The first one does not have interactions, the second one does.

The findings of Table 8.4 are similar to those of Table 3 and similar to the ones of the 1816-2001 period.

Table 8.4 Logit of Scale of Major Power Coordination on War onset with controls. 1715-2001

War Onset 1715-2001	Model I	Model II
Scale of major power Coordination	-0.308 (0.081)***	0.042 (0.159)
Lagged dyadic sensitivity	0.758 (0.178)***	2.033 (0.412)***
Proportion of major powers that are democracies	-3.343 (0.366)***	-1.924 (0.679)**
System year with preponderant sea Power	-0.350 (0.169)*	-0.800 (0.356)*
At least one outside major power alliance	0.291 (0.156)	0.284 (0.162)
Democratic dyad	-0.445 (0.406)	-0.416 (0.405)
One member has nuclear weapons	-0.365 (0.306)	-0.264 (0.304)
Major power dyad	0.174 (0.225)	0.179 (0.238)
Peace years	-0.055 (0.023)*	-0.054 (0.024)*
Scale* Sensitivity		-0.499 (0.186)**
Proportion of democratic major powers *Sensitivity		-1.724 (0.793)*
Seapower Year* Sensitivity		0.436 (0.399)
_cons	-0.445 (0.245)	-1.438 (0.377)***
N	2,633	2,633
L1	-751.24	-743.54
Chi2	275.96	302.77
R2_P	0.22	0.23

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ 

Note: Standard Errors clustered by dyad; Splines used but not presented

Increasing managerial major power coordination has a statistically significant negative association with war onset, except in those dyads that have zero sensitivity to major power activity (roughly 19% of observations).<sup>74</sup>

Figure 8.4 graphs the interaction between the scale of major power coordination and sensitivity to aid interpreting the way the interaction works. What the figure shows is that the negative association between increasing managerial major power coordination and war onset only holds for at least minimal and above amounts of sensitivity (around the .5 level). This means that for roughly 30% of observations managerial coordination does not necessarily help the cause of peace. But for 70% it does as it retains a negative effect on war onset.

That said, as sensitivity increases the effect of coordination on War onset becomes stronger. The closer you are to the activity *foci* of a major power the more likely is a dyad to avoid war. But states isolated from major power influence are more likely to ignore the pacific activity of the coordinating major powers.

The substantive effect of increasing managerial major power coordination is presented by figure 8.5, which graphs the change in the predicted probability of war onset as I increase the level of major power coordination. The scenarios are extracted from model II of Table 8.4 and the base scenario has all the binary variables at median, continuous variables at mean, sensitivity at mean, the interaction equal to the number that results from multiplying sensitivity with the value of the scale and the scale at 1.

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<sup>74</sup> When it comes to the control variables the following can be said: An increasing proportion of major powers that are democracies has a statistically significant negative association with War onset. (This is a robust relationship (114). If the year was one where there was a preponderant sea power this has a statistically significant negative association on war onset. This is a robust association (115). If the dyad had at least one outside alliance with a major power then this does not have a statistically significant effect on war onset. This is due to the other control variables (117). Being a democratic dyad does not have a statistically significant effect. This is due to the presence of the other control variables (120). If only one of the states in the dyad is a nuclear power then this has a statistically insignificant association with War onset. This is due to the other control variables (122). Being a major power dyad does not have a statistically significant effect on war onset. This is due to the other control variables (124). The following variables (in parentheses the relevant table of the statistical appendix) did not exhibit statistical significance during the evaluation process and thus were not included in the models of Table 4: Preponderance (121), Outside Ally (118), Strategic Rivals (119), Dyad member being a preponderant sea power (123), Territorial Dispute (125). Being a nuclear dyad is a perfect predictor of peace.

Figure 8.4 Marginal Effect of Coordination on War onset when conditioned by sensitivity, 1715-2001

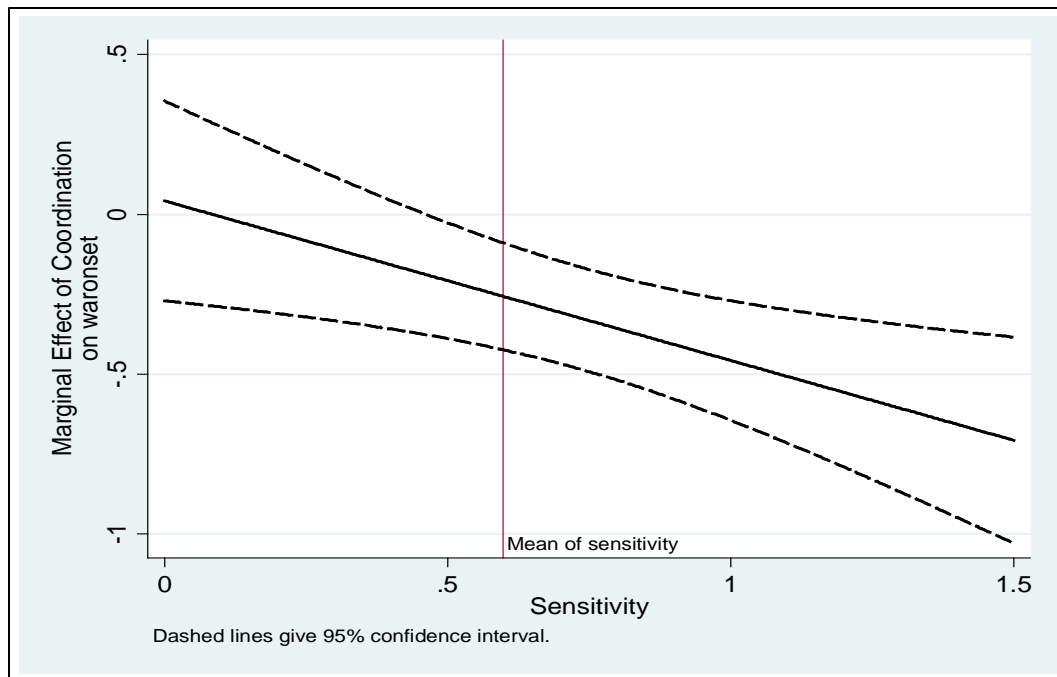
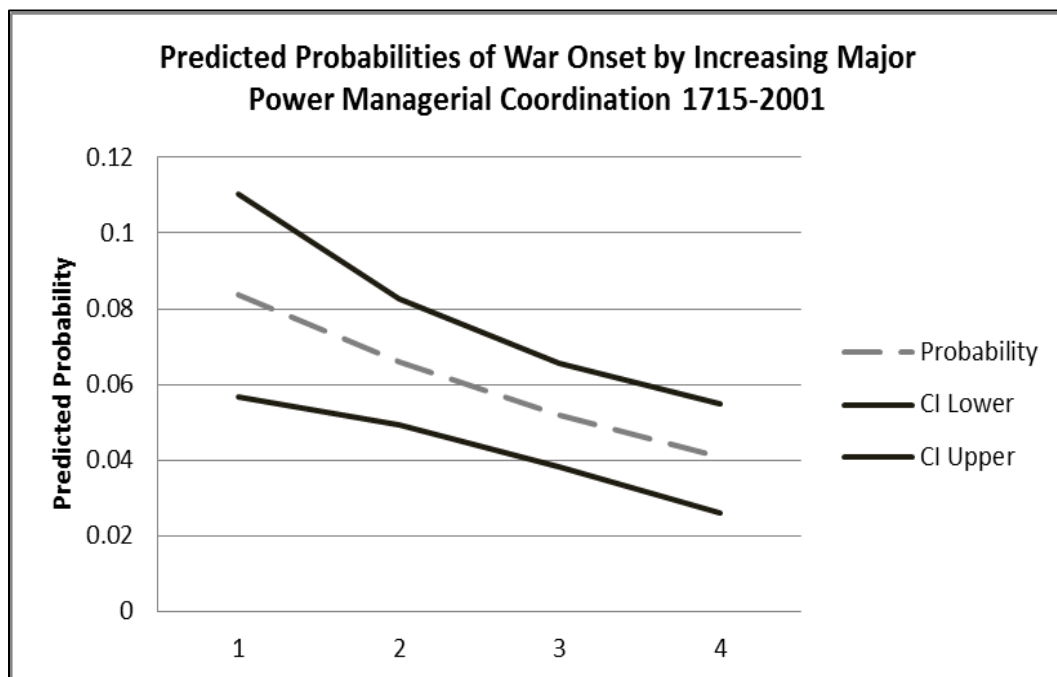


Figure 8.5 Predicted Probability of War onset and scale of major power coordination



The figure indicates a decreasing predicted probability of war onset as the values of the scale of major power coordination increase. Going from level 1 coordination to level 4 decreases the predicted probability of war onset by .0430 from .0836 to .0406 (by about 51%) . As the major powers engage in robust managerial coordination their efforts pay off as dyads in the system become less apt to engage in war. Even if neighborhoods may dominate the immediate concerns of states, coordinated activism by the major powers in pursuit of the pacific management of issues does help promote peace.

### **Conclusion on Hypothesis 2**

I would argue that Hypothesis 2 was not falsified by the findings. Increasing managerial major power coordination does have a pacific influence in the majority of cases when it comes to war-onset. However unlike MID onset, sensitivity plays a crucial role in conditioning that effect. Those states with very little sensitivity do not see their war onset dynamics affected by major power group behavior. Unlike the clear pacific influence of major power managerial coordination on MID onset irrespective of sensitivity, this means that the finding about war onset is not as groundbreaking. This is because the commonsense expectation is that the pacific effect of major power activity when it comes to war-onset is stronger the closer a dyad is to the *foci* of major power activity (most would say that this means the central system, European system etc.). This is indeed the case, but this also means that this finding is not very novel. In this case, I simply corroborate empirically an extant argument.

As far as the transformation thesis is concerned, what I claimed in the conclusion about hypothesis 1, holds here as well. The pacific association of coordination is tied to the Vienna system attempt at managerial coordination. Before that system the major powers never reached a level of coordination that contained cooperative elements. Attempts at increasing managerial major power coordination are a part of the key that will explain why interstate war is decreasing even though MID onset increases.

***Hypothesis 4: Politically Relevant Dyads should had experienced more disputes in the 1715-1815 period compared to the 1850-1945 period, in which they should had more disputes than in the***

***1946-1990, in which they should had more disputes than in the 1991-2001 period, in which they should had more disputes than in the 1816-1849 period.***

This hypothesis evaluates whether the usual periodization done by scholars of international relations actually controls for the quality of major power managerial coordination. The usual division of international history since 1648 is into a pre-Congress period before 1816, a Congress period roughly lasting from 1816 to the start of the Crimean war, a “real-politik” period from after the Crimean War to the end of World War 2, the Cold War, and then the post-Cold War period.

I argue that this periodization unconsciously closely follows the patterns of major power managerial coordination intensity. The Congress and Post-Cold War period see major power interaction reach the higher points of the scale of major power managerial coordination intensity. On the other hand the pre-1816 period, the Cold War and the “real-politik” periods see it reach the lowest points. Furthermore the “real-politik” period saw more variation than the pre-1816 period, and the Cold War thanks to nuclear deterrence was less conflict prone in interstate relations than the 19<sup>th</sup> century and first half of the 20th century. Essentially I am saying that when scholars divide their evaluations by these periods they are selecting cases on the amount of managerial coordination. This might bias results if done unknowingly. Here I evaluate whether my argument has merit.

I also wish to evaluate another conception. Generally the perception is that the 18<sup>th</sup> century and Napoleonic period are seen as almost as war-torn as the 1850-1945 period that saw two World Wars. The Cold War is seen as less war-torn than those two, but more war torn when compared with the pre-Afghanistan post-Cold War era. And all are considered less pacific than the Vienna system. Whether this perception is valid is also evaluated by this hypothesis.

The question of the validity of the perception is easily assessed by the tabulations of Table 8.5 which show the number of MID onsets and War onsets by period.

Table 8.5 Aggregate MID and War Onsets by historical periods

Period	1 (1715-1815)	3 (1850-1945)	4 (1946-1990)	5 (1991-2001)	2 (1816-1849)
Wars	58	113	41	9	9
MIDs	76	317	279	162	45

The relationship between periods holds for the modern period except for the fact that period 1 (1715-1815) is less conflictual than period 3 (1850-1945) when it comes to war, and less conflictual than all other periods but the Vienna Congress when it comes to MIDs. This may be due to the fact that period 1 had fewer states than the other periods. That said in the post-1816 period the periods fall in the expected relationship. Our perceptions of pacifism are not totally misguided. Periods generally considered pacific as far as interstate conflict is concerned, like the Cold War and Vienna System, are more pacific than periods considered more conflictual.

When I focus on the difference between period 1(1715-1815) and period 2 (1816-1850) there is a telling image of the transformation Schroeder argued for. Consider this. These two periods were very similar in the number of states that were part of the system (about 24). True, one is half the length of the other, but this is no limit on warfare as the Cold War shows. The difference in conflict dynamics between period 1 and period 2 are very acute, considering that there were no major fluctuations in system membership.

The next step is to evaluate if this pacific trend is due to managerial coordination. To do this I use ordinary least squares regression with the dependent variable being number of war onsets in a dyad in each period and number of mid-onset in a dyad in each period. The independent variables are the number of years in a period that major power coordination reached level 3 or above in the scale (present cooperative elements), or was at level 4 (managerial coordination). I also include control variables.<sup>75</sup>

<sup>75</sup> Systemic variables are straight counts, dyadic variables are averaged by number of years in period, sensitivity is the average sensitivity in period.

Table 8.6 presents the models for the association between Level 3 and above coordination on number of war onset. The first model is bivariate, the second adds period averaged sensitivity, the third is multivariate with controls, and the last includes sensitivity and the controls.

Table 8.6 OLS Regression of Years of Level 3-4 Coordination per period on Number of War onsets per dyad period, 1715-2001

Number of War Onsets 1715-2001	Model I	Model II	Model III	Model IV
#Years with level 3,4 Coordination	-0.004 (0.001)***	-0.003 (0.001)**	-0.012 (0.001)***	-0.012 (0.001)***
# of Years of dyadic democracy averaged			-0.025 (0.028)	-0.040 (0.027)
# of Years strategic rivalry averaged			0.929 (0.045)***	0.956 (0.045)***
# of Years of allied to each other averaged			-0.045 (0.020)*	-0.037 (0.020)
# Years of outside alliance averaged			0.119 (0.030)***	0.112 (0.031)***
# Years of outside alliance with major power averaged			0.013 (0.022)	-0.036 (0.022)
# of years with preponderance Averaged			-0.008 (0.018)	0.001 (0.018)
Average of proportion of major powers that are democracies			-0.831 (0.041)***	-0.715 (0.044)***
# of years with preponderant seapower			0.000 (0.000)	0.000 (0.000)
Average sensitivity		0.118 (0.010)***		0.086 (0.010)***
_cons	0.162 (0.019)***	-0.031 (0.025)	0.645 (0.034)***	0.467 (0.040)***
N	3,700	3,652	3,700	3,652
R <sup>2</sup>	0.00	0.04	0.23	0.25
F	14.22	76.31	123.86	121.56

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$



The table models indicate a robust negative association between the number of years of level 3 and 4 coordination in a period and the number of wars a dyad sees begin in each period. This association is robust in the face of the control variables.<sup>76</sup> Hypothesis 4 is not falsified by the evaluation.

Table 8.7 presents the same regressions but with level 4 coordination by itself. In another name this is an evaluation of managerial coordination as a regime, rather than evaluation of the activity of major powers towards reaching such a regime. The findings support an independent pacific association between a managerial coordination regime and number of war onsets.<sup>77</sup>

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<sup>76</sup> Of the control variables the following can be said: The higher the average of number of years with dyadic democracy in the period does not have a statistically significant influence on the number of war onsets per period. This is due to the presence of the other control variables (141). The higher the average of the number of years a dyad had a strategic rivalry in a period does have a positive and statistically significant association with the number of war onsets in the period. This is a robust relationship (141). The higher the average of the number of years the members of a dyad were allied to each other has tenuous negative association with the number of wars a dyad had in a period. This is due to the control variables (142). The higher the average of the number of years the members of a dyad had at least one outside alliance in a period has a statistically significant positive association with the number of war onsets they had in a period. This is due to the other control variables (142). The higher the average of the number of years the members of a dyad had at least one outside alliance with a major power in a period does not have a statistically significant effect on the number of war onsets a dyad had in a period. This is due to the presence of the other control variables (142). The higher the average of the number of years there was a preponderant distribution of capabilities among the members of a dyad in a period does not have a statistically significant influence. This is due to the other control variables in the models (143). The average of the proportion of major powers that were democracies over the total number of major powers in a period has a statistically negative association with the number of war onsets a dyad had in a period. This is a robust relationship(144). The count of the number of years in a period that had a preponderant sea-power has no statistically significant influence on the number of war onsets a dyad had in a period. This is due to the presence of the other control variables (144). The average of the number of years a dyad had at least one nuclear power member exhibited no influence during the evaluation process and was left out of the final models (144).

<sup>77</sup> Of the control variables the following can be said: The higher the average of number of years with dyadic democracy in the period does not have a statistically significant influence on the number of war onsets per period. This is due to the presence of the other control variables (145). The higher the average of the number of years a dyad had a strategic rivalry in a period does have a positive and statistically significant association with the number of war onsets in the period. This is a robust relationship (145). The higher the average of the number of years the members of a dyad had at least one outside alliance in a period has a statistically significant positive association with the number of war onsets they had in a period. This is robust relationship (146). The higher the average of the number of years the members of a dyad had at least one outside alliance with a major power in a period does not have a statistically significant effect on the number of war onsets a dyad had in a period. This is due to the presence of the other control variables (146). The higher the average of the number of years there was a preponderant distribution of capabilities among the members of a dyad in a period does not have a statistically significant influence. This is due to the other control variables in the models (147). The average of the proportion of major powers that were democracies over the total number of major powers in a period has a statistically negative association with the number of war onsets a dyad had in a period. This is a robust relationship (148). The count of the number of years in a period that had a preponderant sea-power has a statistically significant negative influence on the number of war onsets a dyad had in a period. This is a robust relationship (148). The average of the number

Table 8.7 OLS Regression of Years of Level 4 Coordination per period on Number of War onsets per dyad period, 1715-2001

Number of War Onsets 1715-2001	Model 1	Model 2	Model 3	Model 4
# Years of level 4 major power coordination	-0.016 (0.001)***	-0.015 (0.001)***	-0.020 (0.002)***	-0.017 (0.002)***
# of years of dyadic democracy averaged			-0.007 (0.027)	-0.021 (0.027)
# of years of strategic rivalry averaged			0.886 (0.045)***	0.915 (0.045)***
# of years of outside alliance averaged			0.268 (0.029)***	0.262 (0.030)***
# of years of outside alliance with major power averaged			0.009 (0.022)	-0.035 (0.022)
# of year with preponderance averaged			-0.002 (0.017)	0.005 (0.017)
Averaged proportion of major powers that are democracies			-0.532 (0.048)***	-0.463 (0.049)***
# of Years with preponderant sea power			-0.005 (0.001)***	-0.004 (0.001)***
Sensitivity averaged		0.109 (0.010)***		0.079 (0.010)***
_cons	0.196 (0.011)***	0.023 (0.020)	0.384 (0.021)***	0.221 (0.030)***
N	3,700	3,652	3,700	3,652
R <sup>2</sup>	0.04	0.07	0.23	0.24
F	144.13	136.83	135.36	129.22

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

of years a dyad had at least one nuclear power member(148) and the higher the average of the number of years the members of a dyad were allied to each other (146) exhibited no influence during the evaluation process and was left out of the final models.

The next set of tables present the exact same evaluations but with number of mid onsets by dyad period as the independent variable. Table 8.8 presents the models evaluating the associations between the number of MID onsets in a dyad period and the number of years with level 3 and 4 coordination in the same period.

Table 8.8 OLS Regression of Years of Level 3-4 Coordination per period on Number of MID onsets per dyad period, 1715-2001

Number of MID Onsets 1715-2001	Model 1	Model 2	Model 3	Model 4
# of years of level 3-4 Coordination	0.036 (0.005)***	0.038 (0.005)***	0.028 (0.005)***	0.030 (0.005)***
Average proportion of major powers that are democracies			-1.557 (0.187)***	-1.175 (0.202)***
# of years of nuclear dyad averaged			1.742 (0.348)***	1.577 (0.350)***
# of years with preponderance averaged			-0.429 (0.082)***	-0.410 (0.082)***
# of years with preponderant seapower			0.008 (0.002)***	0.008 (0.002)***
# of years of outside alliance with major power averaged			-0.108 (0.099)	-0.249 (0.103)*
# of years of outside alliance averaged			1.254 (0.138)***	1.216 (0.143)***
# of years allied to each other averaged			-0.131 (0.091)	-0.110 (0.092)
# of years with strategic rivalry averaged			7.647 (0.207)***	7.727 (0.208)***
# of years with dyadic democracy averaged			-0.132 (0.126)	-0.173 (0.126)
Sensitivity averaged		0.229 (0.050)***		0.246 (0.045)***
_cons	0.126 (0.096)	-0.253 (0.127)*	0.071 (0.155)	-0.458 (0.186)*
N	3,700	3,652	3,700	3,652
R <sup>2</sup>	0.01	0.02	0.34	0.35
F	45.88	33.88	194.28	177.75

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The models of Table 8.8 falsify the hypothesis. The more years of level 3 and 4 coordination in a dyad period the more MID onsets the dyad experienced.<sup>78</sup> This is contrary to the findings at the dyadic

<sup>78</sup> Of the control variables the following can be said. The average proportion of major powers that are democratic over all major powers in a period has a negative statistically significant association with the number of MID onsets a

level. Why is this? The answer may be provided by the findings of the next Table, 8.9 in which I only focus on managerial coordination as the independent variable.

Table 8.9 OLS Regression of Years of Level 4 Coordination per period on Number of MID onsets per dyad period, 1715-2001

Number of MID Onsets 1715-2001	Model 1	Model 2	Model 3	Model 4
# Years of Level 4 Coordination	-0.086 (0.007)***	-0.087 (0.007)***	-0.122 (0.009)***	-0.118 (0.010)***
Average proportion of major powers that are democracies			-0.234 (0.211)	-0.129 (0.217)
# of years of nuclear dyad averaged			1.712 (0.341)***	1.612 (0.344)***
# of years with preponderance averaged			-0.397 (0.080)***	-0.393 (0.080)***
# of years with preponderant seapower			-0.015 (0.003)***	-0.014 (0.003)***
# of year of outside alliance averaged			1.351 (0.120)***	1.263 (0.127)***
# of years allied to each other averaged			-0.095 (0.089)	-0.095 (0.089)
# of years of strategic rivalry averaged			7.647 (0.202)***	7.703 (0.204)***
# of years of dyadic democracy averaged			-0.145 (0.122)	-0.182 (0.123)
Sensitivity averaged		0.145 (0.050)**		0.124 (0.043)**
_cons	1.278 (0.054)***	1.077 (0.098)***	0.910 (0.091)***	0.686 (0.124)***
N	3,700	3,652	3,700	3,652
R <sup>2</sup>	0.04	0.05	0.37	0.37
F	172.00	94.35	239.20	213.09

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

dyad experiences in a period. This is a robust relationship (154). The average of the number of years in a period that a dyad was a nuclear dyad has a statistically significant positive association with the number of MID onsets a dyad experienced in a period. This is a robust relationship (154). The average of the number of years that a dyad was characterized by preponderance in relative power in a period has a statistically significant and negative association with the number of MID onsets a dyad experiences in a period. This is a robust relationship (153). The count of the number of years in period that there was a preponderant sea-power has a statistically significant positive association with the number of MID onsets a dyad has in a period. This is a robust relationship (154). The average of the years in a period that a dyad had at least one outside alliance with a major power has a tenuous negative association with the number of MID onsets a dyad experiences in a period. This is contingent on the other control variables (152). The average of the years in a period that a dyad had at least one outside alliance has a statistically significant positive association with the number of MID onsets a dyad has in a period. This is a robust relationship (152). The average of the years in a period that members of a dyad shared an alliance does not have a statistically significant association with the dependent variable. This is due to the other control variables (152). The average of the number of years in a period that a dyad had a strategic rivalry has statistically significant positive association with the number of MID onsets a dyad has in a period. This is a robust relationship according (151) The average of the number of years in a period a dyad was made up of two democracies does not have a statistically significant influence on the dependent variable. This is due to the other control variables (151).

The models of Table 8.9 indicate that the number of years of level 4 coordination in a dyad-period has a robust negative association with the number of MID onsets in the dyad-period.<sup>79</sup> These findings indicate that the finding of the models in Table 8 might be driven by level 3 coordination.

#### **Conclusion on Hypothesis 4**

The findings on this hypothesis decisively show that managerial coordination as a regime, that is level 4 coordination, has a pacific effect in the number of wars and MIDs dyads experience in a period. It did not show such a clear effect for when we add level 3 coordination, presence of cooperative elements but not managerial alliance, to level 4. While the pacific effect on war remains, the effect on MID onset is positive and thus conflict inducing. The findings did indicate that the periodization does seem to be tied to the level of major power coordination and thus a possible unconscious control for it.

***Hypothesis 5: Increasing managerial major power coordination should be negatively associated with major power initiating membership in at least one unilateral alliance with a minor power in a given major power country year in the 1715-2001 period.***

In the 1815-2001 period this hypothesis was not falsified. Together with the non-falsification of the hypothesis on arms races, this indicated that the pacific character of increasing managerial major power coordination may be the result of denial dynamics, in which major powers deny minor powers their diplomatic and military capability. Will this finding hold in the full 1715-2001 period?

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<sup>79</sup> Of the control variables the following can be said: the average of the Proportion of Major Powers that are democracies over the whole number of major powers does not have a statistically significant association with the number of MID onsets a dyad experiences in a period. This is due to the other control variables (159). The average of the number of years in a period a dyad was a nuclear dyad has a statistically significant positive association with the number of MID onsets a dyad experiences in a period. This is a robust association (159). The average of the number of years in a period that dyad had a preponderant distribution of capabilities has a statistically significant negative association with the dependent variable. This is a robust relationship (158). The count of the number of years in a period where there was a preponderant sea power has a statistically significant negative association with the number of MID onsets a dyad experiences in a period. This is a robust relationship (159). The average of the number of years in a period that a dyad had at least one outside alliance has a statistically significant positive association with the dependent variable. That this is a robust relationship (157). The average of the number of years in a period that the members of a dyad were allied to each other does not influence the dependent variable. This is due to the presence of the other control variables (157). The average of the number of years in a period that a dyad had a strategic rivalry has a statistically significant positive association with the number of MID onsets a dyad experiences in a period. This is a robust relationship (156). The average of the number of years in a period that a dyad was made up of two democracies does not have statistically significant influence on the dependent variable. This is a robust association (156). The variable for a dyad having at least one outside alliance with a major power also lacks any influence (157).

Table 8.10 presents the findings for this hypothesis in the 1715-2001 period. The findings do not falsify the hypothesis. I remind the reader that the unit of analysis here is the major-power monad-year.

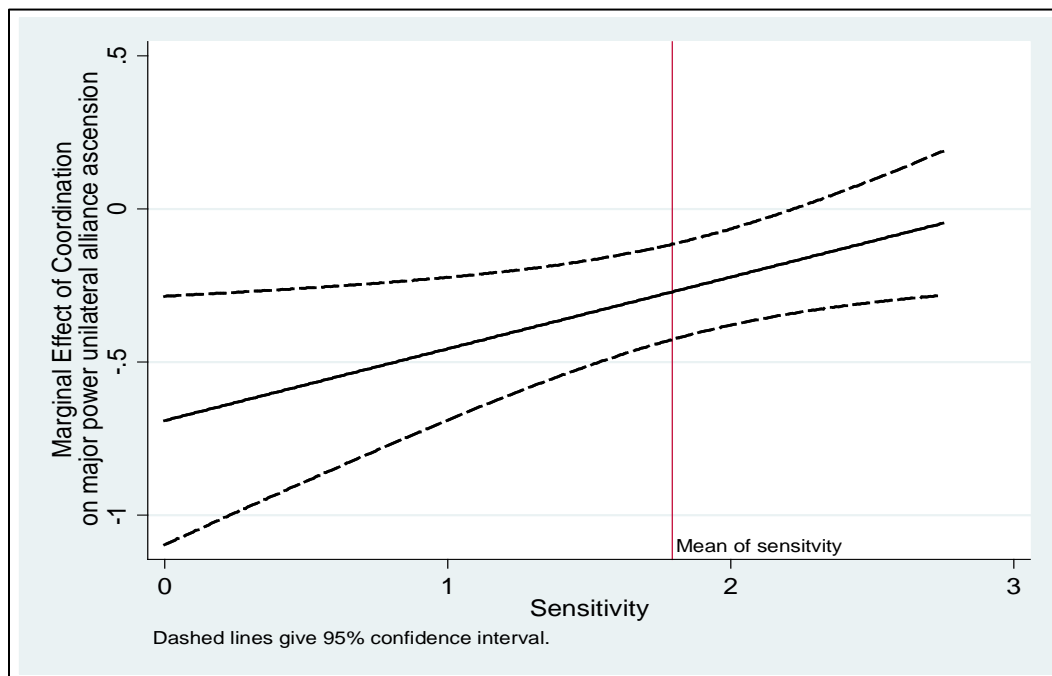
Table 8.10 Logit of Scale of Major Power Managerial Coordination on Major Power ascension to at least one unilateral alliance, 1715-2001.

Major Power Ascension to at least one unilateral alliance 1715-2001	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	-0.146 (0.071)*	-0.183 (0.073)*	-0.249 (0.078)**	-0.690 (0.207)***
Lagged monadic sensitivity		0.371 (0.085)***	0.181 (0.101)	-0.406 (0.258)
Monadic democracy			-0.044 (0.171)	-0.040 (0.176)
Nuclear power			-0.102 (0.263)	-0.121 (0.270)
System year with preponderant sea power			0.288 (0.211)	0.812 (0.427)
Proportion of major powers that are democracies			1.694 (0.416)***	0.734 (0.926)
Scale * Sensitivity				0.234 (0.102)*
Sea-power Year* Sensitivity				-0.308 (0.212)
Proportion of Democratic Major Powers*Sensitivity				0.597 (0.463)
_cons	-1.201 (0.153)***	-1.758 (0.199)***	-1.858 (0.282)***	-0.814 (0.514)
N	1,589	1,583	1,158	1,158
L1	-754.35	-734.73	-551.10	-546.37
Chi2	4.39	23.16	49.50	58.95
R2_P	0.00	0.02	0.04	0.05

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The models indicate a robust statistically significant negative association between increasing managerial coordination and major power ascension to at least one unilateral alliance. This holds even for cases with zero major power sensitivity (0.82%). When the major power engages in increasing managerial coordination they avoid alliances with minor powers throughout the 1715-2001 period.<sup>80</sup> Figure 8.6 graphs the interaction of coordination and sensitivity (essentially the sensitivity of major powers to other major powers) to aid interpretation.

Figure 8.6 Marginal effect of Major Power Coordination on major power ascension to unilateral alliance conditioned by sensitivity.



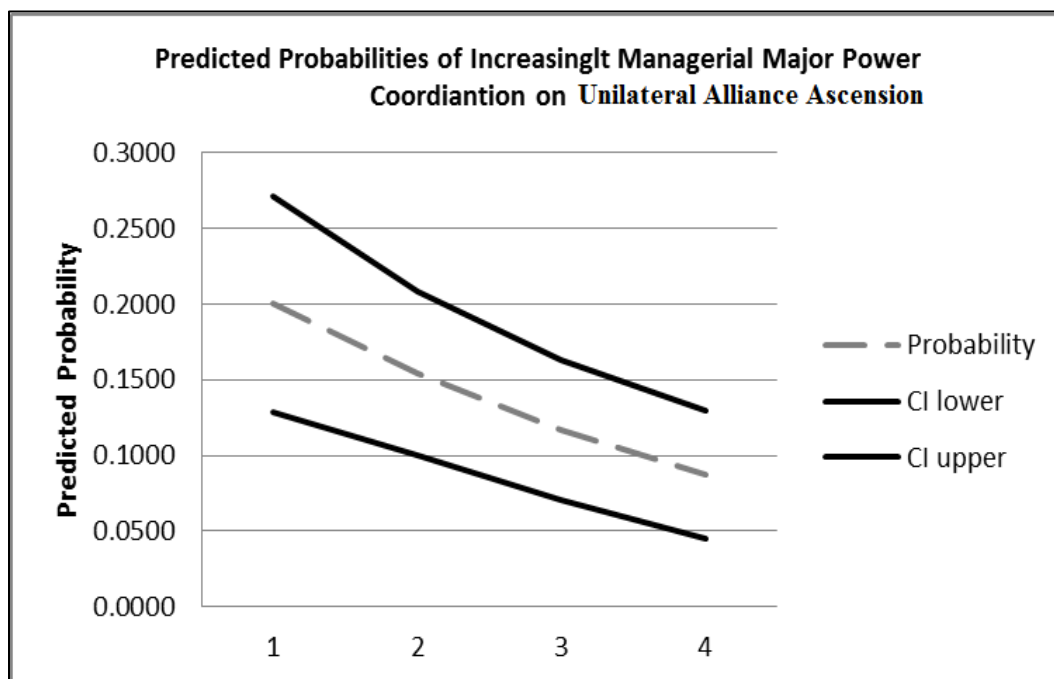
The figure indicates that the negative effect of coordination for all levels of sensitivity. However, as sensitivity increases the negative effect of coordination on unilateral alliances decreases. At the highest

<sup>80</sup> Of the control variables the following can be said: Being a democracy does not have a statistically significant effect on the decision of a major power to enter a unilateral alliance. This is due to the other control variables (127) . Being a nuclear power does not have a statistically significant effect. This is due to the presence of the other control variables (128). The fact that the current year was one with a preponderant sea-power does not have a statistically significant effect. This is due to the other control variables present (130). The proportion of the major powers in the system that are democratic has a tenuous positive association with major powers joining unilateral alliances. This is a relationship which becomes less significant as we add control variables (130) . Being a preponderant sea-power (128) or having an ongoing dispute (129) had not significant effect.

levels of sensitivity it comes close to 0. This indicates that the importance of the political “near-abroad” of major powers can dampen attempts to remain aloof of minor power struggles.

The substantive effect is presented in Figure 8.7 which graphs the behavior of the predicted probability of unilateral alliance ascension under different levels of sensitivity. It is based on Model 4 of Table 8.10. The base scenario is one where coordination is set to 1, all binary variables to median (0 in this case for all of them) and continuous to mean.

Figure 8.7 Predicted Probability of Unilateral Alliance Ascension, 1715-2001



The figure shows that as major power coordination increases in managerial character the predicted probability of unilateral alliance ascension decreases. Going from level 1 coordination to level 4 coordination decreases the predicted probability by .113 from .200 to .087 (by about 56%).

### Conclusions on Hypothesis 5

The findings do not falsify the hypothesis. In the 1715-2001 period when the major powers engage in increasing managerial coordination they avoid entering unilateral alliances with minor powers.



This cuts off at least one path by which major powers provide support to minor powers that may make military force cheaper. Together with the other findings in the 1816-2001 and 1715-1815 period I am more persuaded that the answer about how managerial coordination fosters peace is to be found in research into the effects of denial.

***Hypothesis 6: Increasing managerial major power coordination should be negatively associated with minor power entering an ongoing bilateral conflict in a given year in the 1816-2001 period.***

The falsification of this hypothesis as well as the hypothesis on the effect of major power managerial interventions in the 1816-2001 period indicated that discouragement is probably not a mechanism for explaining the pacific effect of coordination. Would something change if I look at the full 1715-2001 period? Table 8.11 presents the findings on this question.

Table 8.11 Negative Binomial Regression of Scale of Major Power Managerial Coordination and Minor Power joining ongoing conflict, 1715-2001

Minor Power Ongoing Conflict Joining		Model 1	Model 2	Model 3	Model 4
# of Ongoing disputes joined	Scale of major power coordination	0.137 (0.044)**	0.283 (0.046)***	0.284 (0.049)***	0.228 (0.074)**
	Lagged dyadic sensitivity		0.708 (0.069)***	0.453 (0.059)***	0.804 (0.181)***
	# of ongoing disputes			0.499 (0.073)***	0.493 (0.073)***
	# of ongoing disputes that could join			0.113 (0.007)***	0.114 (0.007)***
	Proportion of major powers that were democracies			-1.056 (0.332)**	0.197 (0.568)
	System year with preponderant seapower			-0.059 (0.155)	-0.248 (0.251)

Table 8.11 (cont.)

	_cons	-2.033 (0.119)***	-3.136 (0.153)***	-4.352 (0.160)***	-4.765 (0.248)***
	Scale*Sens				0.057 (0.056)
	Seapower* Sens				0.167 (0.176)
	Prodem MP*Sens				-1.140 (0.417)**
Lalpha	_cons	3.609 (0.049)***	3.485 (0.051)***	2.814 (0.056)***	2.810 (0.056)***
N		13,510	13,267	12,076	12,076
L1		-4,237.66	-4,121.87	-3,790.63	-3,785.93
Chi2		9.82	125.21	649.03	658.42
R2_P		0.00	0.01	0.08	0.08
Chi2_C		10,506.28	9,678.25	6,519.13	6,519.24

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The findings falsify the hypothesis as increasing major power managerial coordination is positively associated with minor powers joining ongoing disputes.<sup>81</sup> This finding reinforces the indication that discouragement may not be a fruitful focus for further research on how managerial coordination pacifies interstate relations.<sup>82</sup>

### Conclusion for Hypothesis 6

The findings on hypothesis 6 do not differ between the 1816-2001 period and the 1715-2001 period. The hypothesis is falsified and this indicates that discouragement may not be able to explain the pacific effect of coordination. I remind the reader that discouragement is when the major powers discourage the minor powers from using force in their relations by threats or censure. The evaluations in the 1816-2001 and 1715-1815 period did not find support for this mechanism.

<sup>81</sup> For a possible explanation please read the conclusion for this hypothesis in the 1816-2001 period.

<sup>82</sup> As for the control variables the following can be said: The number of ongoing disputes of a minor power has a statistically significant positive association with a minor power joining an ongoing conflict. This is a robust relationship (132). The number of possible disputes a minor power could join has a statistically significant positive association with a minor power joining an ongoing dispute. This is a robust relationship (133). The proportion of major power that are democracies has a tenuous statistically significant negative association with a minor power joining an ongoing conflict. This is due to the other control variables (134). If a country year is also a system year with a preponderant sea-power has no statistically significant influence (134) Being a nuclear power had also no influence (133).

***Hypothesis 10: Increasing managerial major power coordination has a positive association with a regime transition towards increased competitiveness, participation and executive constraints within a polity in the 1800-2001 period.***

Hypothesis 10 was the only one of the indirect hypothesis to not be falsified in the 1816-2001 period. I do not expect this to change due to the inclusion of the 15 years between 1816 and 1800. Table 8.12 presents the findings on this hypothesis.

Table 8.12 Logit of Scale of Major power managerial Coordination on increased competitiveness, participation and executive constraints within a polity, 1800-2001

Increased competitiveness, participation and executive constraints 1800-2001	Model 1	Model 2	Model 3	Model 4
Scale of major power coordination	0.300 (0.047)***	0.320 (0.048)***	0.303 (0.048)***	0.407 (0.070)***
State age			0.003 (0.001)***	0.003 (0.001)***
Lagged monadic sensitivity		0.023 (0.047)	-0.066 (0.051)	0.176 (0.125)
Scale*Sensitivity				-0.092 (0.044)*
_cons	-4.049 (0.136)***	-4.128 (0.157)***	-4.255 (0.159)***	-4.557 (0.220)***
N	12,057	11,881	11,881	11,881
Ll	-1,857.68	-1,829.55	-1,820.16	-1,817.95
Chi2	42.07	45.98	64.75	69.16
R2_P	0.01	0.01	0.02	0.02

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

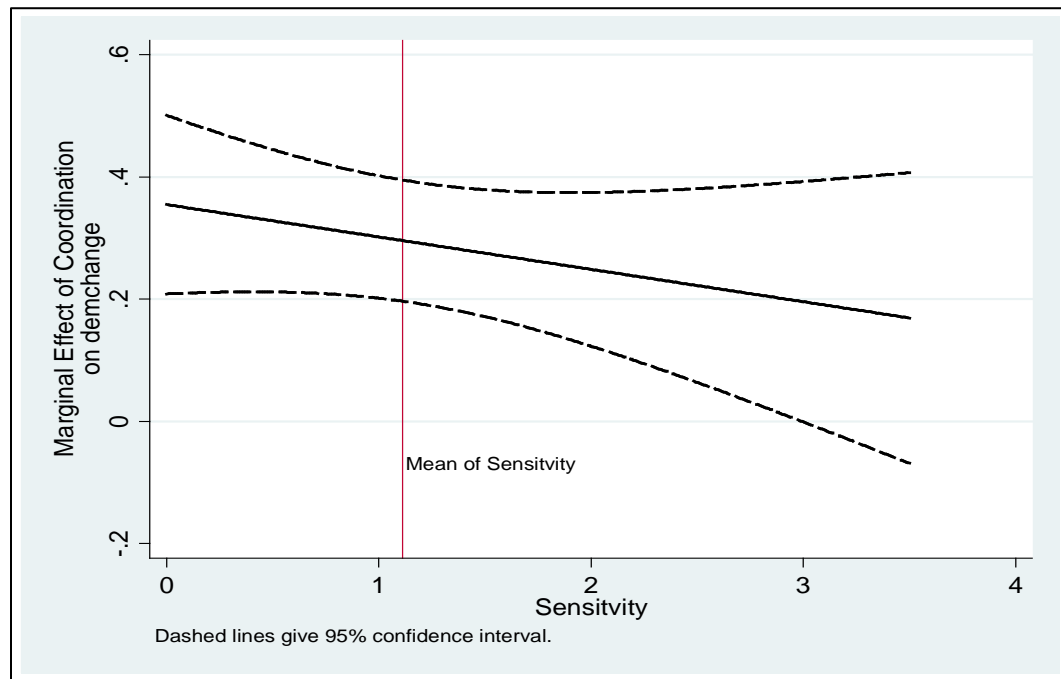
The findings do not falsify the hypothesis. Increasing managerial major power coordination has a statistically significant positive association with the movement towards increased competitiveness,

participation and executive constraints in a polity.<sup>83</sup> As noted in Chapter 5, this indicates some support to argument that the pacification of international relations has a positive effect on developments within polities that lead to democratization.

How does sensitivity condition this relationship? From Model 4 I can deduce that the positive association of managerial coordination holds even for those cases of 0 sensitivity (33% of observations).

Figure 8.8 graphs the interaction to aid interpretation.

Figure 8.8 Marginal Effect of Managerial Coordination on increased participation, competitiveness and executive constraint as conditioned by sensitivity.



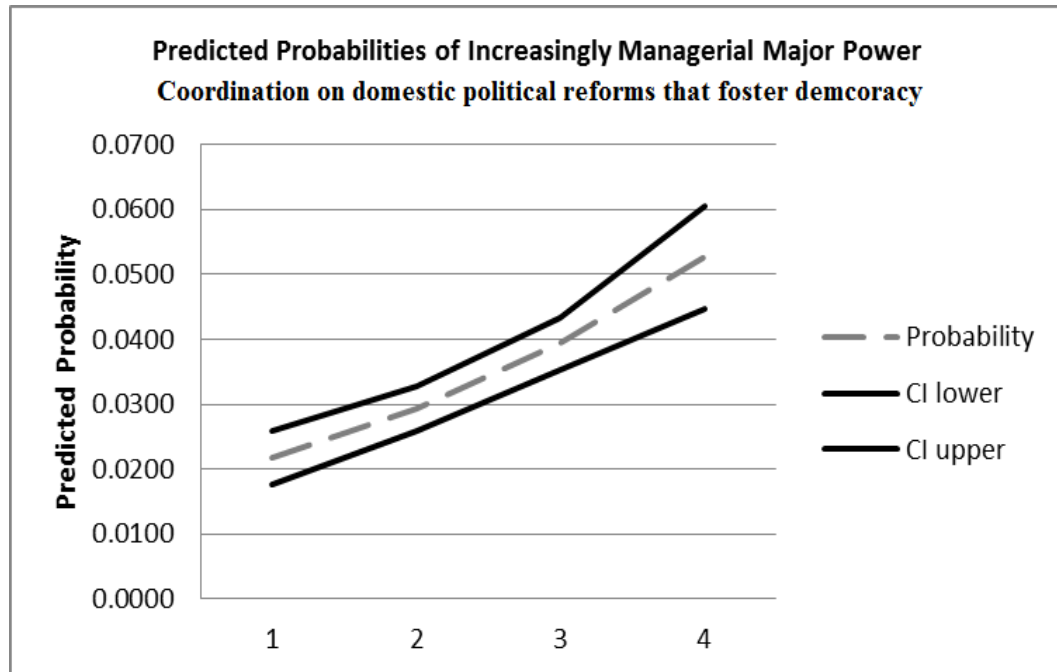
The figure indicates that the positive effect of major power coordination on the opening of political systems is strong under all levels of sensitivity.

The substantive effect is presented in figure 8.9 which graphs the changes in the predicted probability of increases in participation, competitiveness, and executive constraints in a polity as

<sup>83</sup> Of the control variables the following can be said: State Age has statistically significant positive association increased competitiveness, participation and executive constraints within a polity. This is a robust relationship (137). Neither the proportion of major powers that are democratic (137) or the composite index of national capabilities (as a proxy for economic development) had any influence (136).

managerial coordination increases. The base model is based on model 4 of Table 8.12 with all binary control variables set to the median, continuous to the mean, and coordination to level 1.

Figure 8.9 Predicted probability of increases in participation, competitiveness and executive constraints, 1800-2001



As the figure indicates increasing coordination increases the predicted probability of increased participation, competitiveness and executive constraints in a polity. Going from level 1 coordination to level 4 increases the predicted probability of increases in participation, competitiveness and executive restraints by .0309 from .0218 to .0527 (by about 40%).

### Conclusion on Hypothesis 10

Hypothesis 10 was not falsified in the 1800-2001 period. The conclusions from the 1816-2001 period are retained. The pacification of international relations by major power managerial coordination does lead to an opening up of polities at least as measured by the Polity scale. This opening up should affect democratization dynamics.

***Hypothesis 11: Increasing managerial major power coordination has a positive association with the enactment or reinstatement of a constitution within a given country year in the 1789-2001 period.***

This hypothesis was falsified in the 1816-2001 period which undermined the argument that Schroeder made about legitimism. Basically, the argument was that by promoting responsible government in the form of legitimism the Vienna System had a positive effect on long term democratization. The fact that Hypothesis 10 was not falsified provides some evidence for such an argument. However the evidence of hypothesis 10 can also support the alternative argument that peace helps democratization. A more focused examination of legitimism would focus on the main tool of the legitimists which was ruler bestowed constitutions. This is what the evaluation of hypothesis 11 does. Table 8.13 presents the findings.

Table 8-13. Logit of Scale of Major Power Coordination on constitutional enactment or reinstatement, 1789-2001

Constitutional Event	Model 1	Model 2	Model 3	Model 4
1789-2001				
Scale of major power coordination	-0.202 (0.033)***	-0.100 (0.036)**	-0.024 (0.038)	-0.092 (0.058)
Lagged monadic sensitivity		0.343 (0.032)***	0.395 (0.036)***	0.850 (0.086)***
State age			-0.005 (0.001)***	-0.005 (0.001)***
Proportion of major powers that are democracies			-1.412 (0.138)***	0.974 (0.273)***
Scale*Sens				0.021 (0.035)
Prodem* Sensitivity				-1.461 (0.132)***
_cons	-2.212 (0.083)***	-2.982 (0.109)***	-2.283 (0.126)***	-3.169 (0.181)***
N	13,584	13,358	13,358	13,358
L1	-3,205.77	-2,944.23	-2,859.79	-2,790.30
Chi2	37.19	133.97	302.85	441.82
R2_P	0.01	0.02	0.05	0.07

\*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$

The findings falsify the hypothesis and are similar to those of the 1816-2001 period.<sup>84</sup> This indicates that any effect on domestic politics by major power managerial coordination is probably more

<sup>84</sup> As far as the control variables, the following can be said: State Age has a statistically significant negative association with the enactment or reinstatement of constitutions. Table 139 of the Statistical Appendix indicates that this is robust relationship. The proportion of major powers that are democratic has findings that are different

driven by pacification dynamics, as indicated by Hypothesis 10, rather than legitimism, as indicated by this hypothesis.

### **Conclusion on Hypothesis 11**

The findings in the 1789-2011 period for this hypothesis are not different from the 1816-2001 period. The hypothesis is falsified and this undermines the argument for a positive effect of legitimism on the enactment of constitutions during the Vienna System put forward by Schroeder.

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## *CONCLUSION TO CHAPTER 8*

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In this chapter I evaluated some of the key hypotheses across the entire 1715-2001 period. This encompasses the period before, during and after the transformation of international politics expressed in the Vienna Congress. The findings generally did not differ from the 1816-2001 period. More specifically:

- Increasing managerial major power coordination has a clear and strong pacific association with mid onset irrespective of dyad sensitivity to major power activity.
- Increasing managerial major power coordination has a pacific association with war onset expect when dyad sensitivity to major power activity is zero (19% of cases in the 1715-2001 period)
- This pacific association is probably due to denial mechanisms rather than discouragement mechanisms. The denial by major powers of their political and military support for adventurous foreign policy by other major power or minor powers may have a stronger effect on the decision of states to use military force than any threats or proscriptions.

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depending on the level of sensitivity (139). The composite index of national capabilities (as a proxy for development) does not have an influence on the dependent variable (138).

- Increasing managerial major power coordination has a positive association with the opening of political systems when it comes to competitiveness, participation and executive constraints.
- It does not have a positive association with the enactment or reinstatement of constitutions, which undermines the legitimist thesis put forward by Schroeder (1994).<sup>85</sup>

I also conducted an evaluation of the argument using a dyad-period rather than dyad-year research design. The goal was to provide a more specific evaluation of the managerial coordination thesis by just focusing at the highest points (3 and 4), and also evaluate whether the usual periodization used by political scientists unconsciously controlled for managerial coordination. The findings were:

- That dividing international history into the pre-1816, Vienna System, 1850-1945, Cold War and Post-Cold War periods (or similar divisions) closely follows the variation of intensity of major power managerial coordination.
- The number of years when major power managerial coordination intensity reaches points 3 and 4 of the scale has a clear negative association with the number of wars a dyad has in a period.
- The number of years when major power managerial coordination intensity reaches point 4 of the scale has a clear negative association with the number of MIDs a dyad has in a period.
- The number of years when major power managerial coordination intensity reaches point 3 has an unclear effect on the number of MIDs a dyad experiences in a period. When included in the same variable as point 4, the variable created has a positive association with the number of MIDs. Why this happens is a research topic for the future, especially

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<sup>85</sup> I remind that this is the argument by Paul Schroeder that the Vienna System was not as opposed to reforms within states that would speed up democratization, as is often thought. The system was not reactionary, but legitimist and reforms against arbitrary power were welcome. I proxy legitimism by constitutional events since the grating of a written constitution by monarchs was seen as a proper reaction to popular demands by system stalwarts like Metternich and Castlereagh.



considering that in the dyadic-year design point 3 coordination has a negative association with MID onset.

Taking together the findings in the 1715-1815, 1816-2001 and 1715-2001 periods it becomes very clear that there was a change in the quality of major power interaction situated around the date 1816. The major powers became more competent in coordinating their foreign policies in order to manage international issues in a way that reduced the likelihood of military action. These coordination attempts while not always successful do seem to have been associated with a decrease in the likelihood of dyads experiencing military events. Before 1816, such coordination attempts singularly failed to take place or have a pacific effect.

These findings at the very least provide some support for Paul Schroeder's argument that there was a transformation of European politics after 1816, and Peter Wallensteen's argument that cooperating major powers can create a system of relative peace. It does not corroborate the realist expectation that major power cooperation with a managerial rather than adversarial goal, will be rare and ineffectual (that said my findings are in agreement with defensive realist expectations). The findings also are not in complete agreement with liberal stories of the evolution of the international system because those tend to underestimate the role of the "conservative" Vienna System for a focus on either hegemonic liberal powers, or institutionalization.

In the conclusion I situate this project in a broader problematic about international politics, and over-view what all this work amounts to.

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## CHAPTER 9: THE REMAINS OF AN ERA

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The study of international relations was once the study of the relations among major powers. The findings of this study indicate that this monomania with major powers was not completely reckless, even if thankfully it is over. Major Power interaction has a decisive effect on the decision of states to use military force against each other and may have played a role in domestic developments towards democracy. The key development was the evolution of major power attempts at cooperation after 1816 towards a managerial coordination regime.

For the first time since the birth of the major power system after the Treaty of Westphalia (1648) the major powers were able to overcome their mutual distrust, proclivity for limited exclusionary agreements between a small clique of their number, and engage in consultation, multilateralism and the avoidance of adversarial alliances among themselves. The Vienna System provided an alternative to the old “power-politics” for resolving international issues. Even though the system collapsed in 1850, the major powers continued to engage in elements of the regime, even if many times it was done haphazardly. There were successes and there were failures. More importantly the Vienna system provided a template for the various institutions that rose up in order to build managerial coordination regimes for various issue areas of international relations. The bouts of major power cooperation in the last 300 year period may also have pacified international relations enough to permit crucial domestic political reforms that helped politics along the path towards democratization.

That said the point of this project is not to stress the importance of the major powers in current international relations. We may very well be living in the end of the major power period if we define that as a period when small number of states acted as the main nodes of the network of international relations and without whose support other states would not have been able to influence each other. The expansion of the transportation and communications global network now permits minor powers to offer many of the

services that major powers used to in the international system. Minor powers like Israel, Ukraine and Italy can provide the military hardware to states that cannot get them from the major powers. Regional organizations permit minor powers to coordinate their political support for other states. States like the Scandinavian countries use their small defense demands and their stable economies to provide economic aid to other states. Non-governmental actors and international organizations have taken the role of the primary censors of the international system, with about as much success as this study found for major power discouragement.

On a more fundamental level the major powers may have reached the holy grail of external security. While terrorism possess a threat on the margins, other major powers, indeed any other kind of state, does not constitute the main threat for the hold on power of domestic major power elites. Nuclear weapons and the twin exploding costs of war and the welfare system of states have made major power war a very foolish enterprise for any political elite interested in keeping their position of power. The lesson learned by the Vienna System makers has stuck even if momentarily forgotten. War is a threat for domestic power. This new-found security from their peers had paradoxically also meant that the major powers have taken a secondary place compared to IGOs when it comes to trying to maintain a peace-regime in the international system.

The direct interaction of the major powers nowadays is focused mostly on isolating themselves from regional crises. In Georgia, Afghanistan, Iraq, Korea, East Asia, and Europe the powers that felt their interests threatened by the the international activity or of another power, preferred to step back and insulate themselves from conflict rather than take actions that could escalate to a major power military confrontation. In Syria while all the major powers have stakes at interest, their primary policy was one of insulation and letting minor powers deal with the situation.

This decrease in the importance of major powers has been accompanied by a decrease in the focus by scholars of international relations on major powers. So what exactly is the role of this project? I

believe in a very fundamental way that the modern international system internalized the three elements of major power managerial coordination to such a degree that the major powers are not fully required for it to function. The modern international system is one of managerial coordination characterized by consultation in the form of a nexus of forums for international cooperation, multilateralism in the form of a multitude of regional and international programs for addressing issues, and the avoidance of adversarial alliances in the *de jure* and *de facto* outlawing of offensive alliances.

Before embarking on this project I would have never been able to see this fundamental character of the international system. Consequently understanding how major power managerial coordination affected international relations will help us understand how the modern international system does so. The waning importance of major powers is not an issue if the regime they created continues to exist despite them or without them. In a way it is their true legacy.

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## CONCEPTUALIZING AND MEASURING A REGIME

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Previous scholars have tried to capture the effect of major power cooperation in international politics. But even the best of those attempts in the form of Wallensteen's "particularist" vs. "universalist" thesis, had flaws that inhibited a good understanding of the character and effect of major power managerial coordination. The main flaw was that they did not conceive it as a form of international regime, mistaking opportunistic instances of cooperation for a managerial coordination regime. Beginning from the concept of a regime I located the core of a managerial coordination regime in three elements whose confluence maximized the chance for major powers to avoid military conflict.

These elements were consultation, multilateralism and the avoidance of adversarial major power alliances. Consultation entailed the willingness of the major powers to come together and discuss issues of interest and their reaction to those issues. Multilateralism entailed the major powers to agree or tolerate a specific set of actions in response to an issue and if need be to execute them as part of a multilateral

effort. The avoidance of adversarial alliances entailed the major powers avoiding overt alliances that targeted other major powers. I argued that the accumulation of these three elements in major power behavior would make the major powers more able to reduce the likelihood of military action in the relations between them, and due to the fear of diffusion, in the relations among all states.

To be able to evaluate the effect of the accumulation of the elements of major power managerial coordination on international relations I needed a scale measure instead of the usual dichotomous measures of past research. This led me to operationalize the process of accumulation by using the scale of major power managerial coordination intensity. This scale was based on operationalizations for each of the three elements and then an absence-presence schema. Consultation was operationalized by the shared membership of major powers in intergovernmental organizations or congress systems. Multilateralism was operationalized by the shared membership of the major powers in an alliance that does not target other major powers. The avoidance of adversarial alliances was operationalized with the lack of alliances which had at least two major power members and targeted a non-member major power. The combination of these three variables created a 4 point scale, with point 1 representing major power behavior lacking all the elements of major power managerial coordination, and point 4 having all three elements.

In my evaluation I wished to avoid the usual system level unit of analysis for the dependent variables. This is because military force is the result of interaction usually between pairs of states and I was interested to see if major power managerial coordination affected the incidence of violence at that level. Consequently I chose to focus on research designs at the dyad-year, dyad and state-year level. However, such a research design raised the question of how to connect a structural variable like major power managerial coordination to a dyadic outcome. My answer is the concept of sensitivity in which the effect of major power managerial coordination is conditioned by how subject to various form of major power action the member of a dyad and its immediate environment is.

The logic is that when a higher level variable (like managerial coordination) is produced by lower level sources (major power interaction) then one could evaluate the effect of the higher level variable on another lower level variable (dyadic interaction) by also evaluating how sensitive that new variable is to the lower level sources of the higher level variable. To put it simply one should expect dyads to be more receptive to the influence of major power managerial coordination the more exposed they are to major power activity. The concept of sensitivity is of course applicable to any structural phenomenon which has a lower level source. For example one could apply it to the effect of a global financial regime on dyadic or monadic outcomes, using the most important financial powers in the place of major powers.

The evaluations generally indicated that in the 1816-2001 period increasing managerial major power coordination had a negative influence on the likelihood of war and MID onset. While this corroborated the findings of scholars like Peter Wallensteen and the argument of Paul Schroeder about the pacific effect of the Vienna Congress, it was not a complete evaluation of the transformation thesis. To do this I would need to reach before the transformation point so as to be able to compare the post-transformation period with the post-transformation period. The focus was on how the lower levels of major power coordination before 1816 impacted dyad conflict dynamics. If the effect was similar then one could not talk of transformation.

To conduct this evaluation I began the compilation of novel data on militarized disputes in the 1715-1815 period, beginning from Douglas Gilber's work on 18th century alliances (1999). While datasets on wars in the pre-1816 period existed, no one had collected data on militarized disputes hampering our understanding of conflict dynamics in the 18th century. Consequently I compiled basic data on MIDs before 1816 and on disputant characteristics (primitive capability data). Using this new data my evaluations indicated that there was indeed a crucial difference in both the quality and influence of major power managerial coordination before and after 1816. These findings in turn supported Paul Schroeder's transformation thesis.

What those findings showed is that as major power interaction increasingly corresponds to higher points in the scale this has a pacific association with the likelihood of war or MID onset among pairs of states. Point 4 interaction, when all three elements of the managerial coordination regime are present, always has a clearly pacific character for the 1715-2001 period. Point 3 interaction, which lacks one of the elements but is characterized by the other two, has a clear pacific character when we are concerned with war in the 1715-2001 period, even if its character concerning MIDs is more ambiguous. Those points that lack elements of the managerial coordination regime, point 1 and 2 do not have a pacific influence on international military conflict. Beyond these central findings a number of secondary findings of interest were produced.

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## MECHANISMS AND INFLUENCE ON DOMESTIC EVENTS

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The main goal of the evaluations in this manuscript was to establish if and what kind of influence on international conflict increasing managerial major power coordination had. That said, I also wanted to conduct some preliminary studies on the possible mechanisms that could explain a negative association between my variable of interest and conflict. The quantitative methods used in my evaluations cannot prove causation, but if I could show that theoretically valid mechanisms for the negative association between managerial coordination also had an association with pacific results, then I would be closer to establishing the possibility of something more than an associational relationship.

The two mechanisms I focused on are denial and discouragement. Denial entails the major powers denying other states military and political support. The expectation is that this means that states cannot easily discount the costs of military action and thus will prefer to avoid the use of force to resolve issues. Discouragement entails minor states not taking military action due to the fear of major power censure or punishment. The evaluations of these mechanisms conducted in this manuscript were very preliminary due to the lack of data on some of these actions.

I created a proxy for denial by using the association of major power managerial coordination with the likelihood of a dyad having a military buildup. This was done on the assumption that if the major powers, who tend to be the biggest arms exporters, deny material support to states, those states will have a harder time funding military expansions. I also proxy it with the unwillingness of major powers to enter unilateral alliances with minor powers. The assumption here is that if my supposition is right then when major powers are engaged in increasing managerial coordination they will eschew alliances with minor powers.

For discouragement, I initially focused on whether major power managerial coordination was associated with multilateral interventions by the major powers against states. The assumption is that if coordination works then managerial interventions should only happen during it. This was the prelude for looking at whether the existence of a managerial intervention in temporal proximity made minor powers less likely to take part in a military dispute. The assumption here was that seeing the major powers punish another state via intervention will make minor powers less willing to engage in an adventurous policy that might bring about major power wrath. I also looked at whether major power managerial coordination made it less likely that minor powers will enter an ongoing dispute. The assumption is that since at the core of the managerial coordination regime is the limitation of the diffusion of conflict that could bring about major power conflict, minor powers will be unwilling to engage in a behavior that is proscribed by the major powers.

The findings indicated support for the denial rather than discouragement mechanisms. Increasing managerial major power coordination had a negative association with a dyad engaging in a mutual military buildup during the 1816-2001 period. It also had a negative association with major powers entering unilateral alliances with minor powers in the 1816-2001 and 1715-2001 period, but not in the pre-coordination 1715-1815 period. The discouragement mechanics did not have any supporting indicators in the 1816-2001 period, beyond the fact that managerial interventions only happen under point



3 and 4 coordination intensity. While these evaluations are not decisive they indicate directions for further research, which will be discussed later in this chapter.

Finally I was interested in evaluating the long-term effects of managerial coordination. This is partly fueled by a wish to find out if such a unique major power regime had an effect on international politics after its demise, which if found would add to the relevance of this study. Partly I sought to evaluate Paul Schroeder's argument that the legitimist policies of the conservative Vienna Congress had a positive effect on the democratic evolution of states. I conducted three evaluations of these arguments.

First, I looked at whether major power managerial coordination had a positive effect on increases in participation, competitiveness and executive constraints within polities. These three elements are usually equated with democracy, something that is not necessarily true. Even so, increases in them should make a polity more representative and more open, which will contribute to democracy. The assumption is that the pacification of international relations will dampen some of the domestic constraints to political openness that the fear of war creates (Gibler 2012). The findings supported this argument in the 1816-2001 and 1715-2001 period.

Second, I looked at whether major power managerial coordination had a positive influence on the enactment or reinstatement of constitutions. This was a very specific hypothesis based on Schroeder's legitimist argument. The legitimists in the Vienna Congress did oppose democracy, but they also disliked arbitrary power. The happy medium for them was constitutions that placed limits on the arbitrary power of monarchs without giving power to popular elements. The findings did not provide clean support for Schroeder's argument. Only in the 1789-1815 period was some support found for a positive relationship. No such support was found in the 1816-2001 and full 1789-2001 period.

This greatly undermines the legitimist argument, but the positive relationship between increasing managerial coordination and increases in participation, competitiveness and executive constraints indicates that managerial coordination has a positive association with a political evolution conducive to

democracy. The failure of the legitimist argument to find support in conjunction with the positive findings on participation, competitiveness, and executive constraints indicates that the mechanism at work here is relaxing of political constraints when the international relations of a state become more pacific.

Finally, I evaluated whether major power managerial coordination had a positive effect on the increase of state membership in IGOs. The findings were not supportive of such a relationship. The assumption was that the pursuit of multilateralism and consultation by the major powers would lead them to institutionalize those elements. States would then copy the new tools of the major powers. At the same time major power managerial coordination would make it harder for major powers to block regional attempts at the creation of IGOs. The findings do not indicate a relationship between the institutionalization of major power relationships and the general rise of international organizations. Of course the date 1816 is crucial for the rise of IGOs, since the Rhine Commission was created by the Vienna system, but why it is important and whether that importance applies to the concept of managerial coordination is another question.

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## INTERESTING FINDINGS AND FUTURE RESEARCH

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A battery of control variables was used in the evaluations in order to increase their robustness. Some of the findings are interesting for current debates. The most salient findings were about dyadic democracy, in the 186-2001 period the variable did not have an independent statistical influence on MID onset, and its statistical influence of war onset was wiped out by the other control variables. In the full 1715-2001 period, there was no influence by dyadic democracy on MID onset and the one on War Onset was wiped out by the other control variables. This is a highly challenging finding. Managerial coordination was able to keep its statistical influence on conflict onset for both the 1816-2001 and 1715-2001 period. Its substantive effect was stronger than that of dyadic democracy. This indicates that

scholars who stress major power activity as the basis for the democratic peace may not be completely wrong (Mitchell 2002; Narizny 2012).

This indication becomes stronger when I consider the findings about the effect of an increasing proportion of major powers that are democracies. This variable had a strong negative statistical influence on war onset in the 1816-2001 and 1715-2001 period, and on the number of MIDs and wars a dyad had in the 1715-2001 period. These are findings that would be expected by the Mitchell “norm” argument and the Narizny “liberal hegemony” argument. More importantly the proportion of major powers that are democratic has a positive statistical influence on increases in participation, competitiveness and executive constraints within states in the 1816-2001, on the enactment and reinstatement of constitutions in the 1816-2001 and 1715-2001 period, and on IGO membership in the 1870-2000 period.

These findings call for further research on whether the measure is an accurate proxy for the effect of democratic major powers in world politics, and more detailed evaluations of that effect. But they corroborate past findings on the importance of democratic major powers. Importantly in these evaluations that variable out-performed dyadic democracy on the crucial tests on war onset. The increase in democratic major powers may be one of the most important peace-inducing factors in the history of the modern international system. But the exact relationship between that variable and dyadic-democracy and peace in general is still an open question.

When it comes to other control variables, the findings support the association of a preponderance of military capability in dyad with the avoidance of MIDs (1816-2001, 1715-2001), the association of outside alliances with MID onset (1816-2001, 1715-2001), the stability-instability paradox about nuclear weapons and MID onset (1816-2001), the association of strategic rivalry, and generally a history of conflict, with MID onset (1816-2001, 1715-2001), and the conflict inducing character of territorial disputes (1816-2001).

In the 18<sup>th</sup> century (1715-1815), the main conflict inducing variables were the presence of a preponderant sea-power, a finding that raises questions about the pacific attributes given to the presence of a preponderant sea-power in a system by Thompson and Levy (2012), and the existence of a territorial dispute. The finding on sea-powers is different for the 1715-2001 period, which pinpoints an area that could use further research. The fact that the members of a dyad share an alliance was positively associated with MID onset and negatively with war onset, a finding that sheds some light into the dynamics of alliance making in the 18<sup>th</sup> century. Alliances seem to have been primarily made between states that had conflictual relations with the prime goal being the avoidance of war. That said further research of the conflict dynamics of the 18<sup>th</sup> century and comparisons with the post-1816 period are called for.

This is partly because a lot of the null findings in the 1715-1815 period may be due to the lack of variation in the variables and the small number of variables available. The lack of variation with variables leads to higher standard errors which undermine significance. A lot of the variables are crude, as new variable tend to be and future research in the period using richer variables and more of them, may produce more interesting results. There are also topics that are of future interest are the role of international variables on interstate conflict, peace-inducing variables, the role of issues in conflict onset and the evolution of the IGOs regime.

Since the evaluations of this manuscript are part of a bigger project on major power managerial coordination, important work is still needed to be done. First off, this entire project mainly focused on evaluating the association of major power managerial coordination and conflict onset. Future work should focus on initiation and more specifically how would be initiators of military conflict are affected in their decision by major power managerial coordination. A major project will focus on developing the “war wariness” theory about the causes of major power managerial coordination, and evaluating it for the post 1715 period, especially in comparison to competitor theories like “war-weariness”. Such a project will need to use both qualitative case studies and archive work focusing on the war-wariness as a condition among decision makers, and quantitative work requiring a variable for war-wariness.

When it comes to the effects of managerial coordination on interstate conflict further evaluations of the mechanisms are required. To start, most of the evaluations of the discouragement mechanism were based on tenuous proxies. More careful data on major power discouragement activity is required for better evaluations. This means data on the causes of major power managerial interventions, a conceptualization and data on how major powers express discouragement towards states, and how states perceive that discouragement. This is work for both theory and data collection. Further theoretical work on how major powers discourage minor powers from entering ongoing conflicts and data on such activity is also necessary. It is also worthwhile to think about what other ways of discouraging a set of activities major powers have in the international system.

On the question of denial what is needed is foremost data and work on major power arms and monetary support towards other states and how that support affects the decision of other states to engage in military conflict. For the post-1975 period the Uppsala Conflict Database Project has some useful information, but in order to gain the most from the variation of managerial coordination, data going at least to 1816 is needed. The collection of such data would require a long and challenging process of going through national archives. It may be worth to initially limit this to the major powers and a number of minor states than to attempt to do it for the maximum number of possible cases.

Finally, the concept of major power managerial coordination may have important effects on other political phenomenon. The positive association with the expansion of participation, competitiveness and executive restraints within polities is worth further studies, both quantitative and qualitative, in order to uncover possible mechanisms for this association. Major Power managerial coordination may have a pacific effect on the internationalization of intrastate conflicts, as the major powers attempt to contain an intrastate conflict in order to avoid diffusion. It may also have other effects on the resolution of such conflicts or elements within them, for example of attacks against civilians. Another worthwhile project could focus on the role of major power managerial coordination on the expansion of the capitalist system and on the creation and maintenance of the international political economy regimes.

## FINAL THOUGHTS

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The role of major powers in international relations has always been of interest to scholars. But most of the focus has been on how major powers behave towards each other, or on how their policies contribute to conflict in the international system or intrastate conflict. Few scholars looked at how major power behavior or interaction could contribute to peace. The few that did focused on either balance of power dynamics, that have little empirical influence on peace, or conducted historical studies of pacific management regimes that they believed were unique. The few studies that tried to conduct a more methodical evaluation of the effect of specific types of major power interaction on interstate peace, had their potential limited by methodological, data or theoretical issues.

The turn of the majority of scholars of international relations from the study of major powers over the last two decades, would indicate that scholars do not believe that there is much to be gained from a focus on that area of international relations. And yet there are findings that indicate that major power behavior still plays an important and under-searched role in pacifying international relations. Major power cooperation has been found to have a positive influence on democratization and the creation of international regimes (Boix 2011, Ringmar 2012). Kevin Narizny makes the argument that the democratic peace can be explained by the role of two liberal major powers, the US and UK in managing international relations (2012). What these studies raise is the question of whether the pacific effect of phenomena like the democratic peace or international regimes is due to major power activity. Such selection issues are not unknown in international relations, and they are usually not an issue if the variable causing selection does not also cause the dependent variable.

This raises a crucial question about the relationship between major power activity and peace. Does major power cooperative activity bring peace itself or do the regimes made possible by that activity bring peace. In the first case not only do major powers create peace, but they do so independently of other

pacifying regimes (democracy, IGOs). In the second case that activity in itself does not create peace, but created regimes that create peace. The findings of this project indicate that it may be the first case. This would follow arguments about the fostering effect peace has on regimes, like democracy, that make it more possible to maintain peace in the future. This indicates that the study of the influence of major power cooperation on the behavior of other states and the system is not just of academic interest for those who seek to explain the history and evolution of the international system, but also for those that wish to understand how we keep peace in the present. The warmongers may have become peace-bringers, and missing the magnitude of such a transformation in international relations is both a pity for future generations, and a pitfall for understanding international relations today.

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